

Sequence Name: C:\msdchem\1\sequence\070714.s

Comment:

Operator: (b) (7)

Data Path: C:\MSDCHEM\1\DATA (b) (7) \RP1581\

Instrument Control Pre-Seq Cmd: (C)

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch
 (X) Full Method (X) Inject Anyway
 () Reprocessing Only () Don't Inject

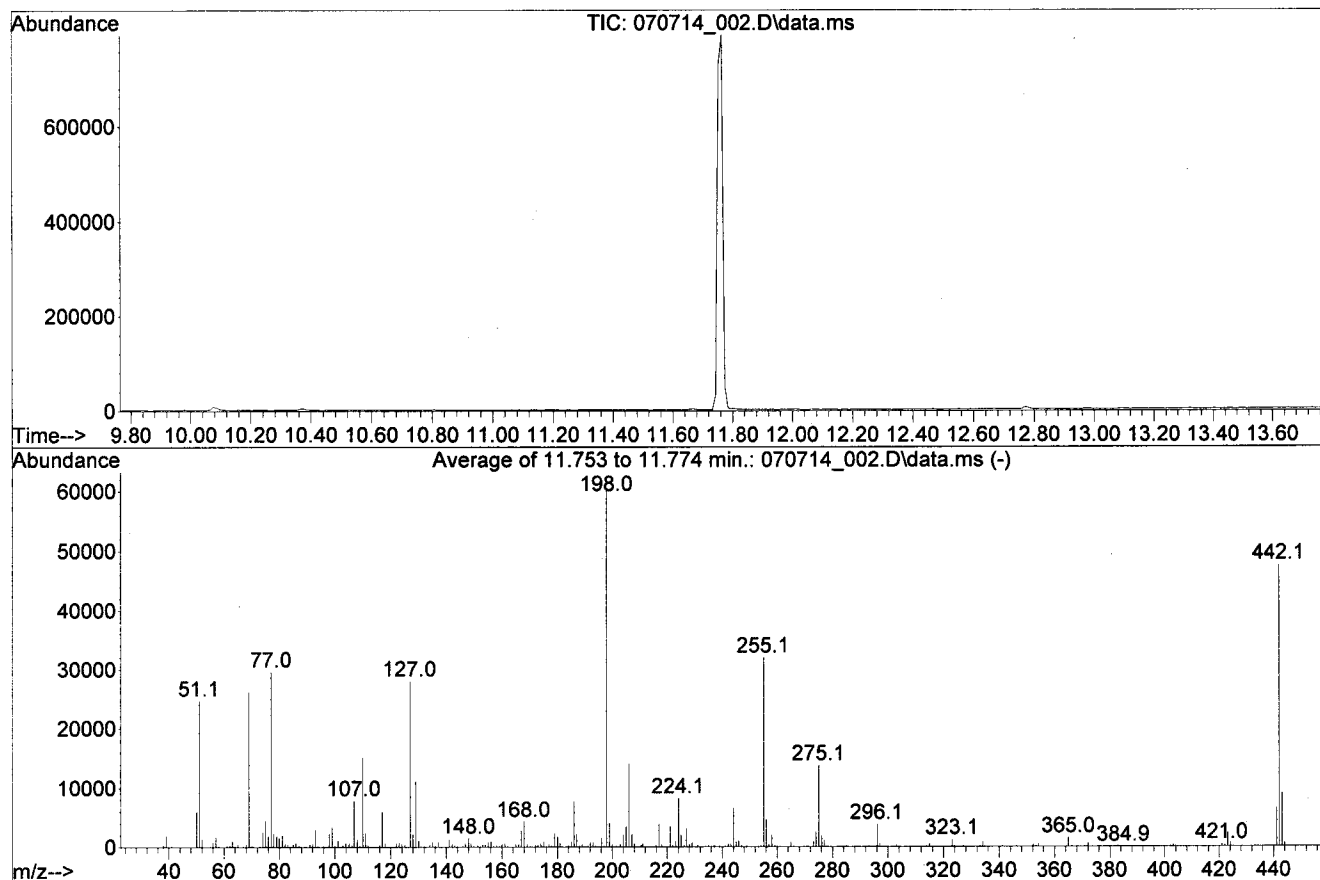
```

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Line      Sample Name/Misc Info
1) Sample 1 Blank
   Datafile 070714_001
   Method (b) (7)(C) RP1581_2
2) Sample 2 DFTPP
   Datafile 070714_002
   Method (b) (7) RP1581_2
3) Sample 3 CCV1
   Datafile 070714_003
   Method (b) (7) RP1581_2
4) Sample 4 Blank Extraction
   Datafile 070714_004
   Method (b) (7) RP1581_2
5) Sample 5 N405006-02AEXT
   Datafile 070714_005
   Method (b) (7) RP1581_2
6) Sample 6 N405006-02BEXT
   Datafile 070714_006
   Method (b) (7)(C) RP1581_2
7) Sample 7 N405006-02CEXT
   Datafile 070714_007
   Method (b) (7)(C) RP1581_2
8) Sample 8 N405006-10EXT
   Datafile 070714_008
   Method (b) (7) RP1581_2
9) Sample 9 N405006-10EXT-DUP1
   Datafile 070714_009
   Method (b) (7)(C) RP1581_2
10) Sample 10 N405006-10EXT-DUP2
   Datafile 070714_010
   Method (b) (7)(C) RP1581_2
11) Sample 11 N405006-10EXT-MS1
   Datafile 070714_011
   Method (b) (7) RP1581_2
12) Sample 12 N405006-12EXT
   Datafile 070714_012
   Method (b) (7) RP1581_2
13) Sample 13 N405006-08EXT
   Datafile 070714_013
   Method (b) (7)(C) RP1581_2
14) Sample 14 N405006-09EXT
   Datafile 070714_014
   Method (b) (7)(C) RP1581_2
  
```

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_002.D
 Acq On : 7 Jul 2014 3:05 pm
 Operator : (b) (7)(C)
 Sample : DFTPP
 Misc : DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS (b) (7) RP1581_2.M
 Title : Freedom Industries
 Last Update : Thu Jul 03 10:27:02 2014



AutoFind: Scans 788, 789, 790; Background Corrected with Scan 784

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.9	24665	PASS
68	69	0.00	2	1.6	414	PASS
69	198	0.00	100	43.5	26223	PASS
70	69	0.00	2	0.8	199	PASS
127	198	40	60	46.4	27988	PASS
197	198	0.00	1	0.3	184	PASS
198	198	100	100	100.0	60309	PASS
199	198	5	9	6.6	3991	PASS
275	198	10	30	22.8	13779	PASS
365	198	1	100	2.5	1509	PASS
441	443	0.01	100	72.6	6577	PASS
442	198	40	100	78.9	47600	PASS
443	442	17	23	19.0	9054	PASS

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7) (C) RP1581\
 Data File : 070714_001.D
 Acq On : 7 Jul 2014 2:35 pm
 Operator : (b) (7)
 Sample : Blank
 Misc : Blank MeCl2
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 06 14:39:26 2014 (b) (7) (C)
 Quant Method : C:\msdchem\1\METHODS (b) (7) (C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

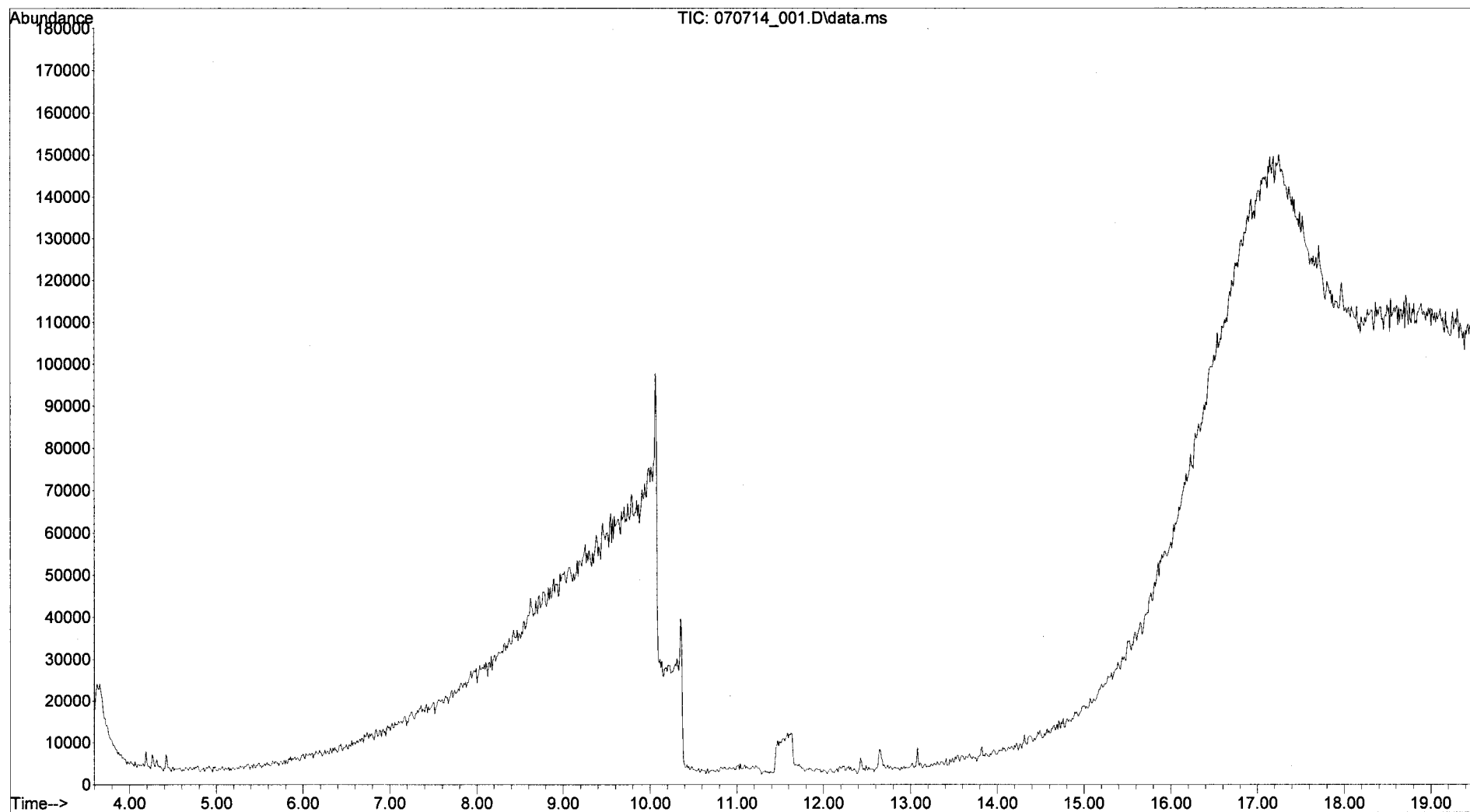
System Monitoring Compounds						
1) Cyclohexanol	0.000	57	0	0.00	ug/mL	
Target Compounds						
2) MCHM (2 peaks combined)	0.000		0	N.D.		Qvalue
3) PPH	0.000		0	N.D.		
4) 1,4-CHDM	0.000		0	N.D.		
5) DMCH-1,4-DC	0.000		0	N.D.		
6) di-PPH	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_001.D
 Acq On : 7 Jul 2014 2:35 pm
 Operator : (b) (7)
 Sample : Blank
 Misc : Blank MeCl2
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 06 14:39:26 2014 (b) (7)
 Quant Method : C:\msdchem\1\METHODS (C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ (b) (7)(C) RP1581\
 Data File : 070714_002.D
 Acq On : 7 Jul 2014 3:05 pm
 Operator : (b) (7)(C)
 Sample : DFTPP
 Misc : DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 06 14:39:46 2014 (b) (7)
 Quant Method : C:\msdchem\1\METHODS (C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

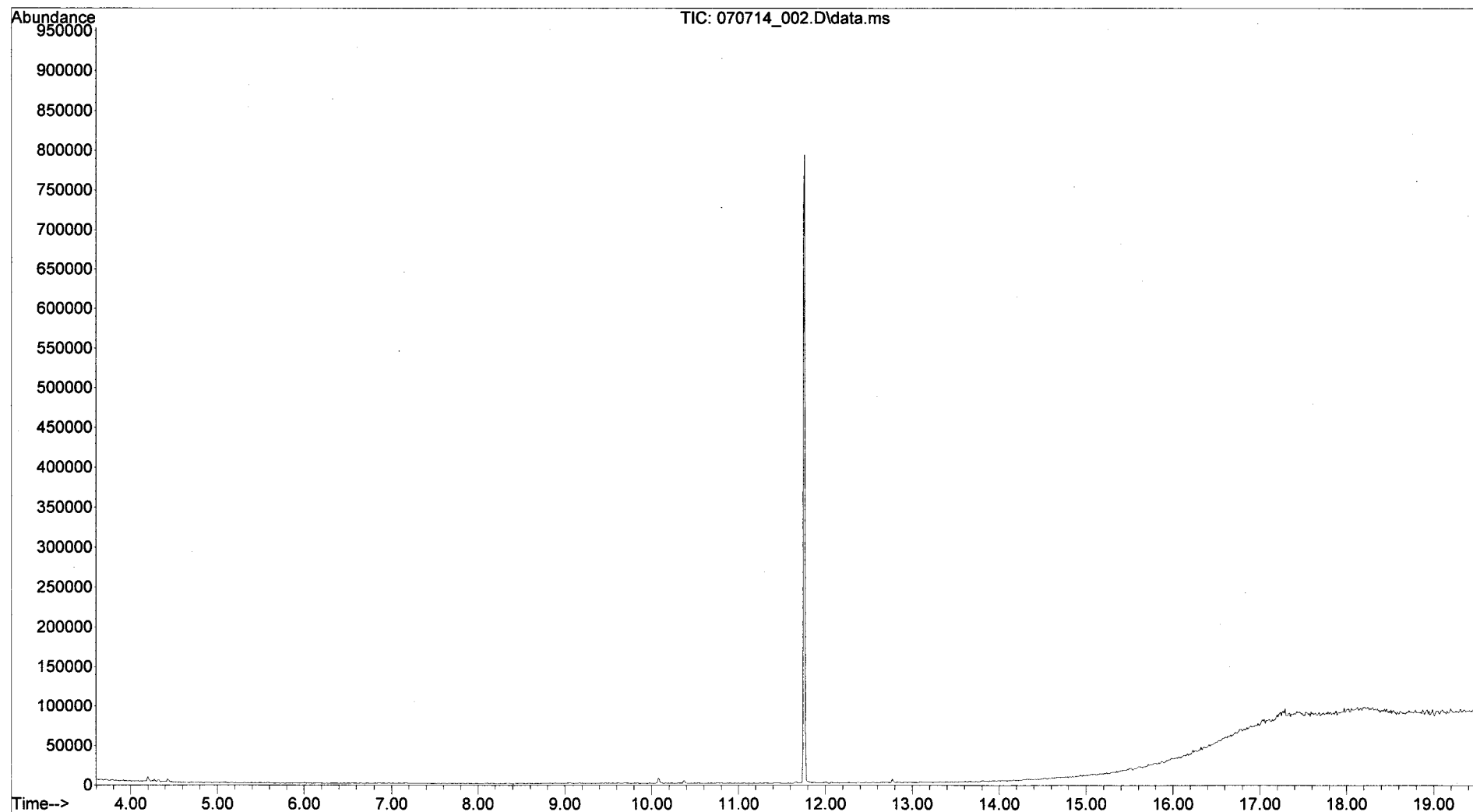
System Monitoring Compounds						
1) Cyclohexanol	0.000	57	0	0.00	ug/mL	
Target Compounds						
2) MCHM (2 peaks combined)	0.000		0	N.D.		Qvalue
3) PPH	0.000		0	N.D.		
4) 1,4-CHDM	0.000		0	N.D.		
5) DMCH-1,4-DC	0.000		0	N.D.		
6) di-PPH	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ (b) (7)(C) RP1581\
Data File : 070714_002.D
Acq On : 7 Jul 2014 3:05 pm
Operator : (b) (7)
Sample : DFTPP
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 06 14:39:46 2014
Quant Method : C:\msdchem\1\METHODS\ (b) (7)(C) RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7) (C) \RP1581\
Data File : 070714_003.D
Acq On : 7 Jul 2014 3:36 pm
Operator : (b) (7) (C)
Sample : CCV1
Misc : 200 ug/mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 14:43:01 2014
Quant Method : C:\msdchem\1\METHODS (b) (7) (C) _RP1581_B.M
Quant Title : Freedom Industries (b) (7) (C)
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

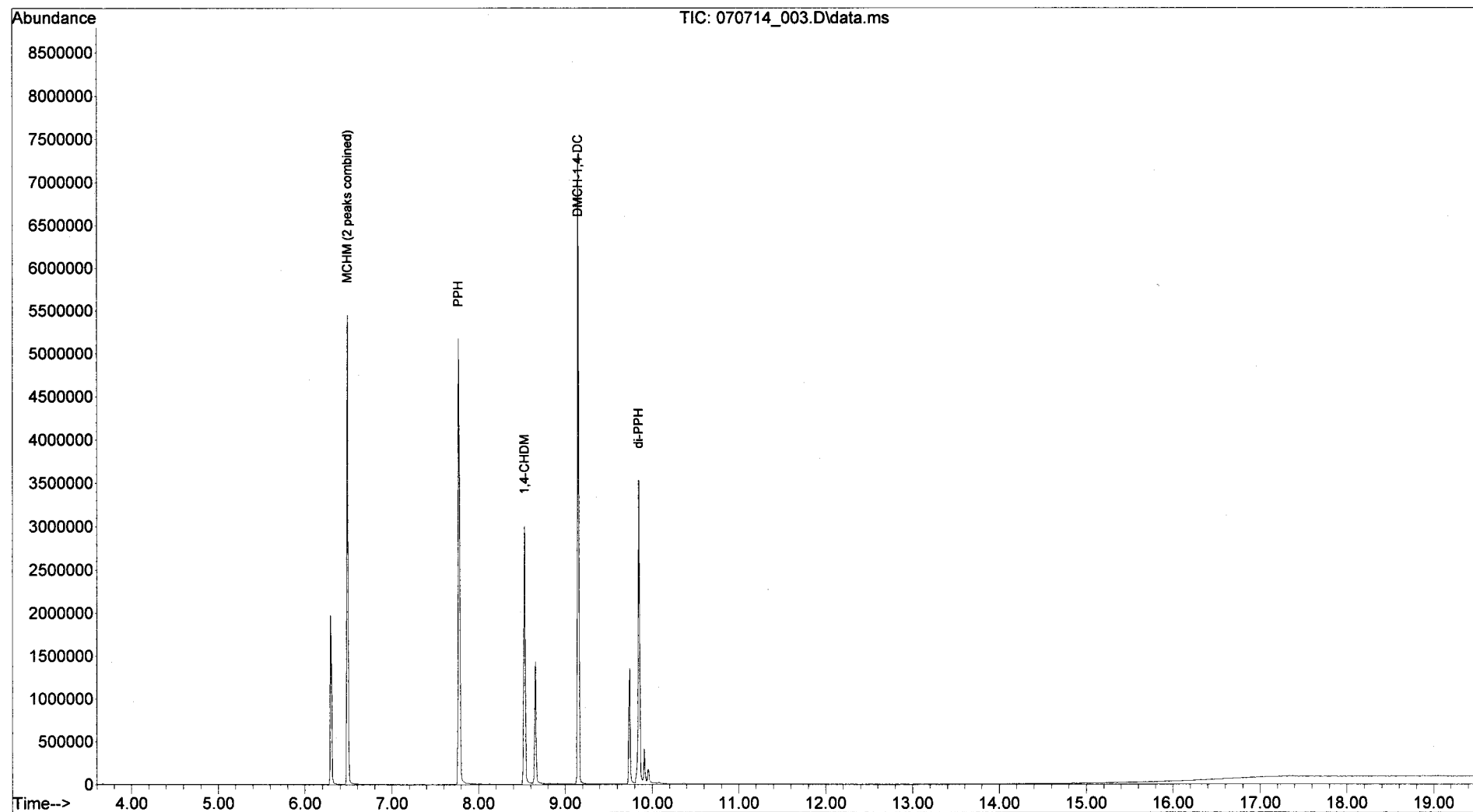
System Monitoring Compounds						
1) Cyclohexanol	0.000	57	0	0.00	ug/mL	
Target Compounds						
2) MCHM (2 peaks combined)	6.488	55	1912780m	161.78	ug/mL	Qvalue
3) PPH	7.773	94	2258159	155.45	ug/mL	100
4) 1,4-CHDM	8.530	95	1217841m	156.05	ug/mL	
5) DMCH-1,4-DC	9.152	81	1330577	165.64	ug/mL#	92
6) di-PPH	9.846	59	1674213m	152.66	ug/mL	

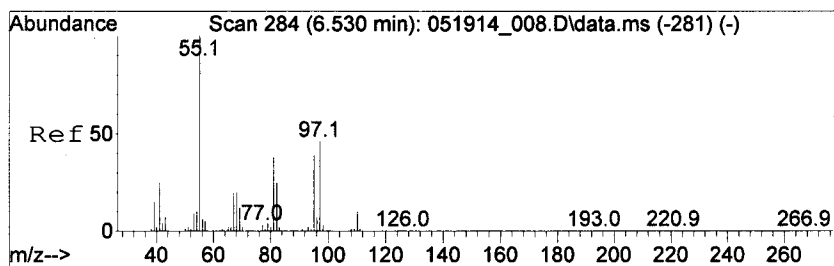
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) \RP1581\
 Data File : 070714_003.D
 Acq On : 7 Jul 2014 3:36 pm
 Operator : (b) (7)(C)
 Sample : CCVI
 Misc : 200 ug/mL
 ALS Vial : 3 Sample Multiplier: 1

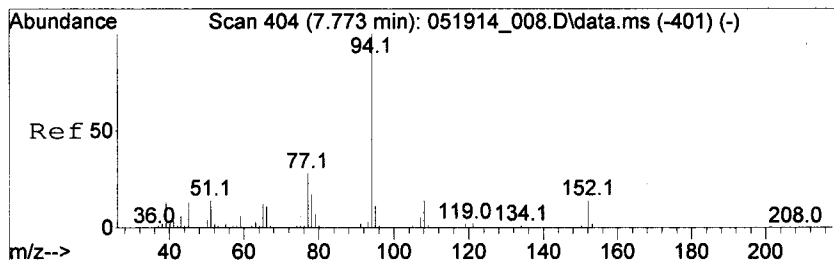
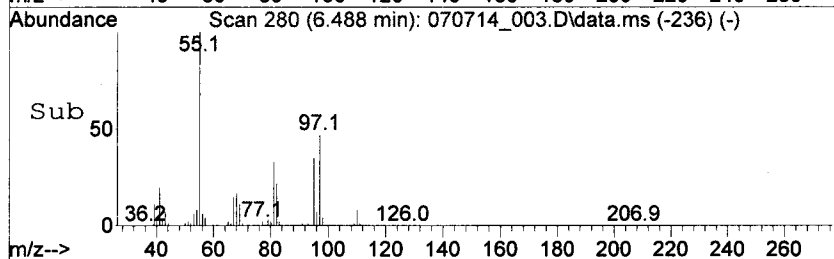
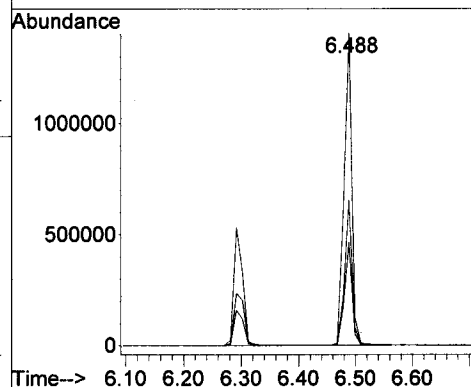
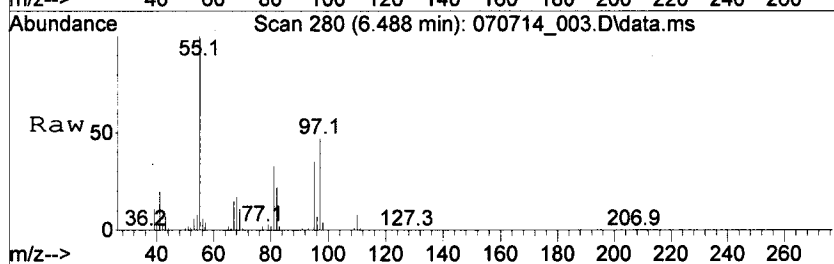
Quant Time: Aug 06 14:43:01 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) \RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration





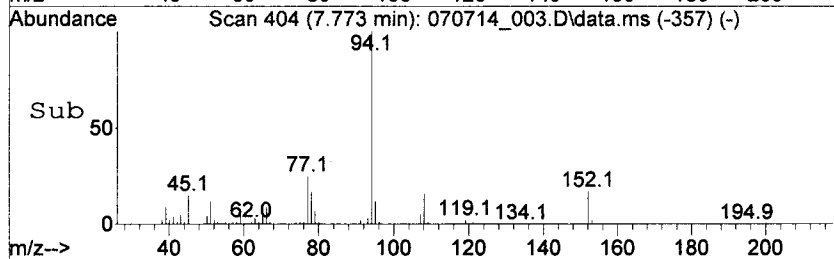
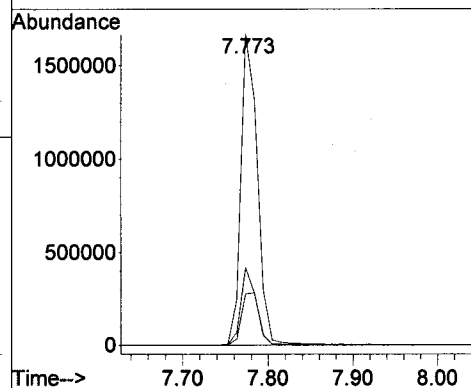
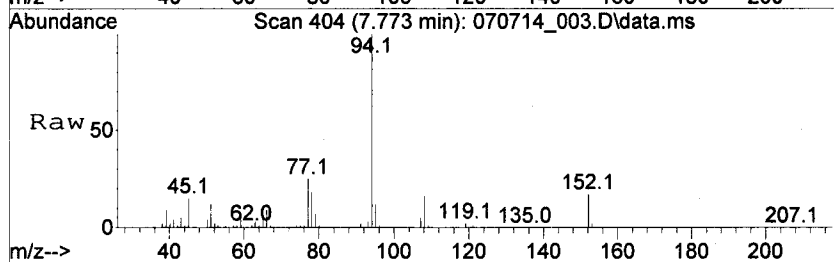
#2
MCHM (2 peaks combined)
Concen: 161.78 ug/mL m
RT: 6.488 min Scan# 280
Delta R.T. -0.042 min
Lab File: 070714_003.D
Acq: 7 Jul 2014 3:36 pm

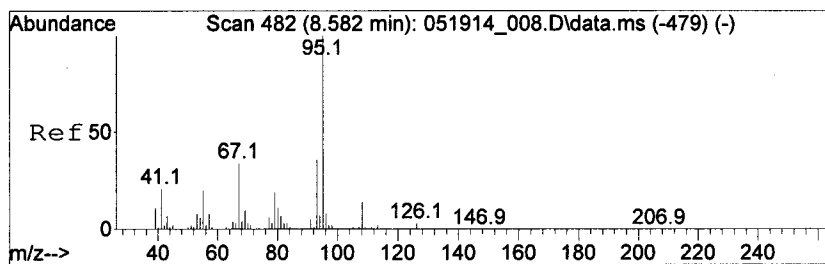
Tgt Ion	Ratio	Lower	Upper
55	100		
97	31.6	31.5	47.3
81	22.9	24.2	36.4



#3
PPH
Concen: 155.45 ug/mL
RT: 7.773 min Scan# 404
Delta R.T. -0.011 min
Lab File: 070714_003.D
Acq: 7 Jul 2014 3:36 pm

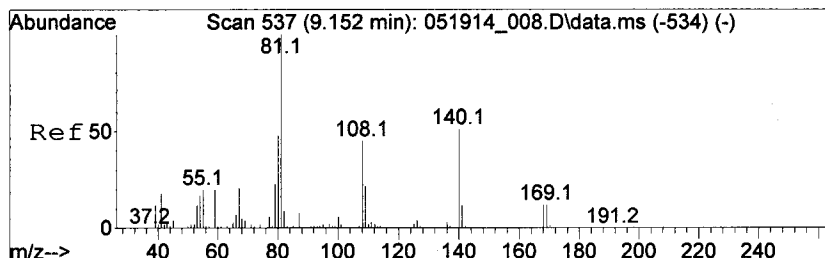
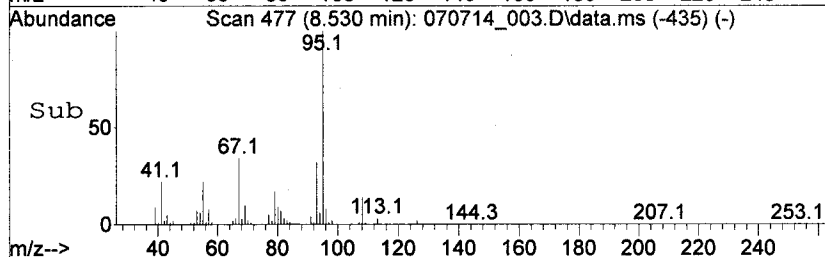
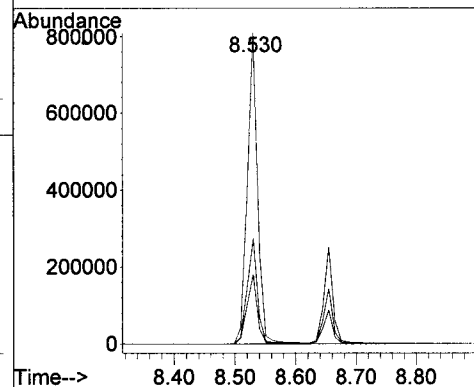
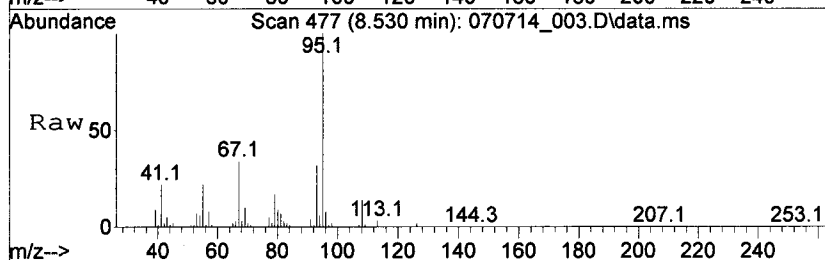
Tgt Ion	Ratio	Lower	Upper
94	100		
77	23.5	19.0	28.4
152	18.3	14.9	22.3





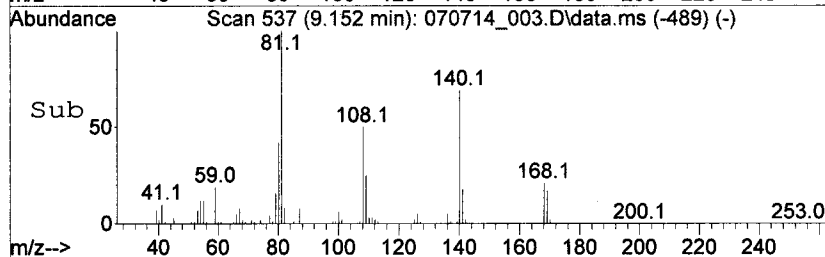
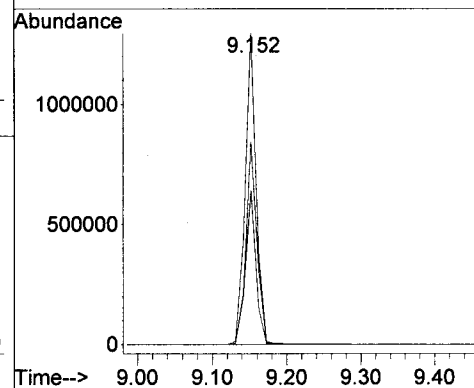
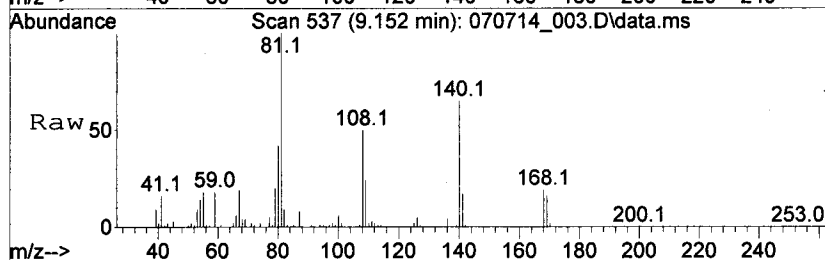
#4
1,4-CHDM
Concen: 156.05 ug/mL m
RT: 8.530 min Scan# 477
Delta R.T. -0.062 min
Lab File: 070714_003.D
Acq: 7 Jul 2014 3:36 pm

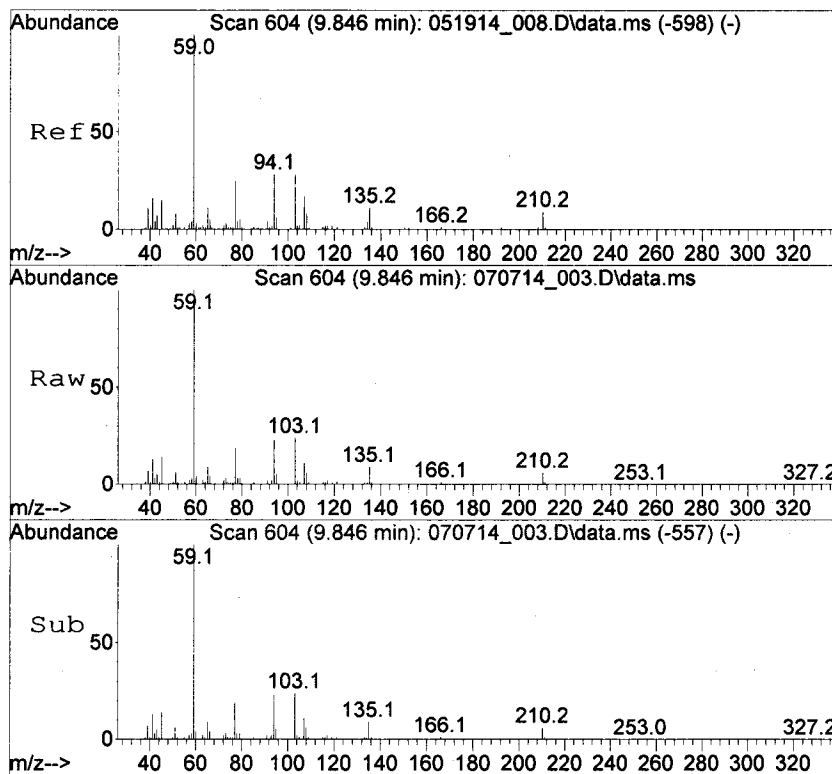
Tgt Ion	Ratio	Lower	Upper
95	100		
67	26.5	33.1	49.7#
41	17.5	42.6	63.8#



#5
DMCH-1,4-DC
Concen: 165.64 ug/mL
RT: 9.152 min Scan# 537
Delta R.T. -0.000 min
Lab File: 070714_003.D
Acq: 7 Jul 2014 3:36 pm

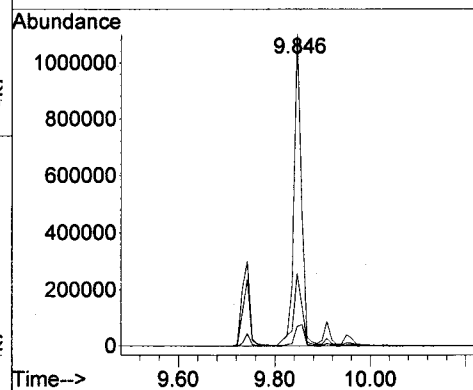
Tgt Ion	Ratio	Lower	Upper
81	100		
108	47.1	29.0	43.4#
140	64.7	50.9	76.3





#6
di-PPH
Concen: 152.66 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 070714_003.D
Acq: 7 Jul 2014 3:36 pm

Tgt Ion: 59 Resp: 1674213
Ion Ratio Lower Upper
59 100
94 19.4 24.0 36.0#
210 6.2 7.2 10.8#



Data Path : C:\msdchem\1\DATA\ (b) (7) \RP1581\
Data File : 070714_004.D
Acq On : 7 Jul 2014 4:07 pm
Operator : (b) (7)(C)
Sample : Blank Extraction
Misc : 10
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 06 14:43:42 2014
Quant Method : C:\msdchem\1\METHODS\ (b) (7) \RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

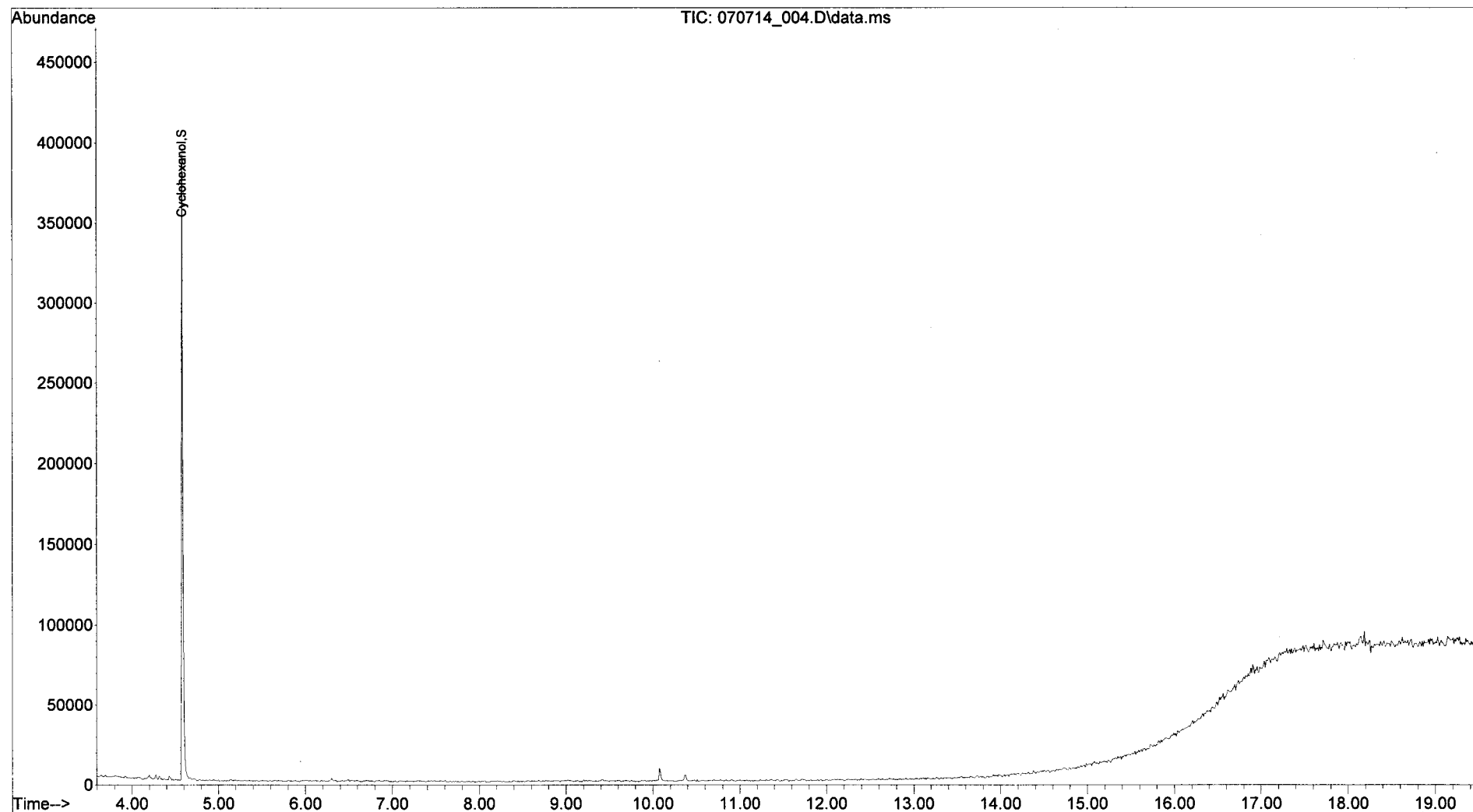
System Monitoring Compounds						
1) Cyclohexanol	4.582	57	119759	12.33	ug/mL	-0.03
Target Compounds						Qvalue
2) MCHM (2 peaks combined)	0.000		0	N.D.		
3) PPH	0.000		0	N.D.		
4) 1,4-CHDM	0.000		0	N.D.		
5) DMCH-1,4-DC	0.000		0	N.D.		
6) di-PPH	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) P1581\
 Data File : 070714_004.D
 Acq On : 7 Jul 2014 4:07 pm
 Operator : (b) (7)(C)
 Sample : Blank Extraction
 Misc : 10
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 06 14:43:42 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_005.D
 Acq On : 7 Jul 2014 4:37 pm
 Operator : (b) (7)
 Sample : N405006-02AEXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 14:44:34 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

System Monitoring Compounds						
1) Cyclohexanol	0.000	57	0	0.00	ug/mL	
Target Compounds						
2) MCHM (2 peaks combined)	6.302	55	4670871m	372.37	ug/mL	Qvalue
3) PPH	0.000		0		N.D.	
4) 1,4-CHDM	0.000		0		N.D. d	
5) DMCH-1,4-DC	0.000		0		N.D.	
6) di-PPH	9.846	59	397276m	60.87	ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Not used in data analysis

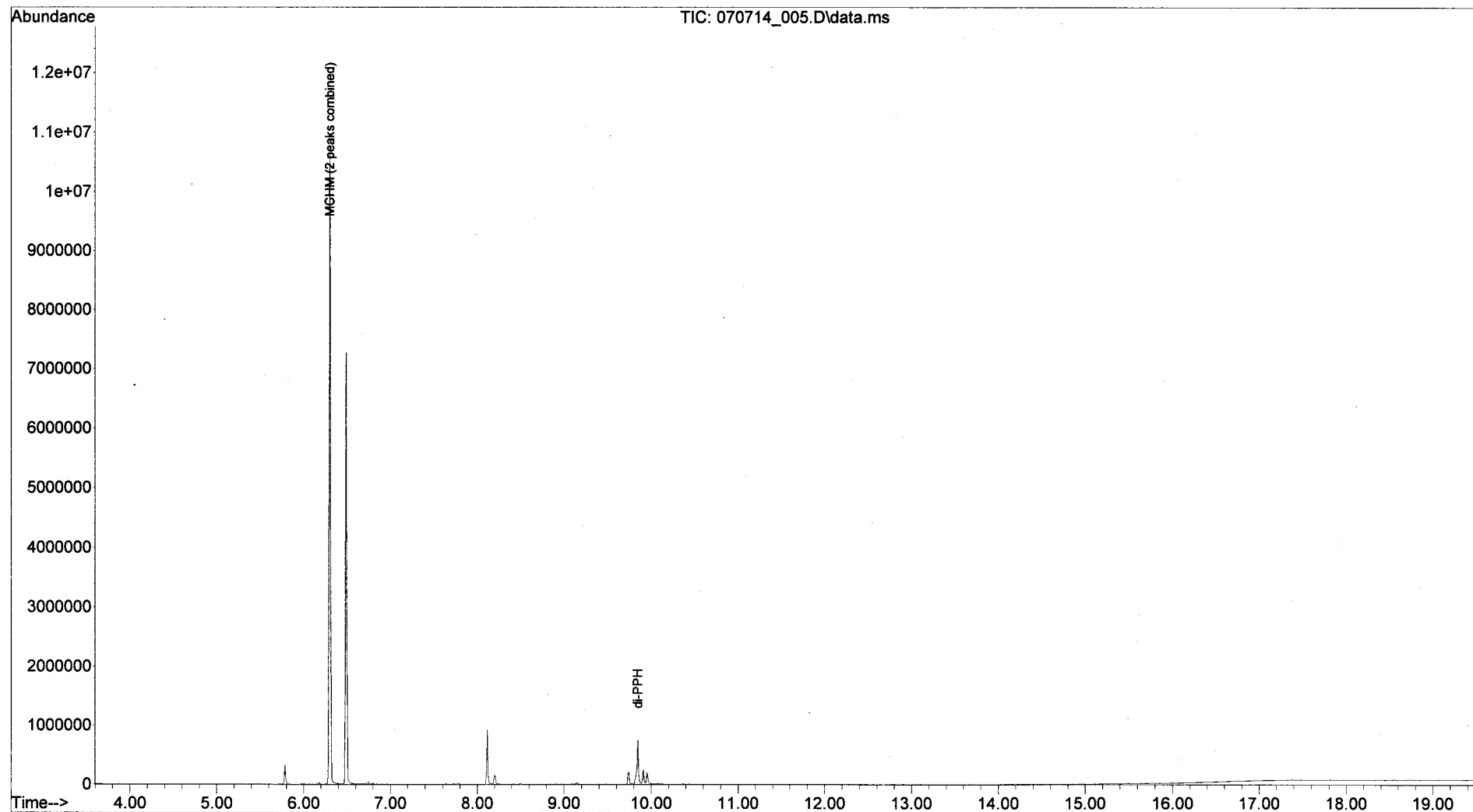
(b) (7)
(C)

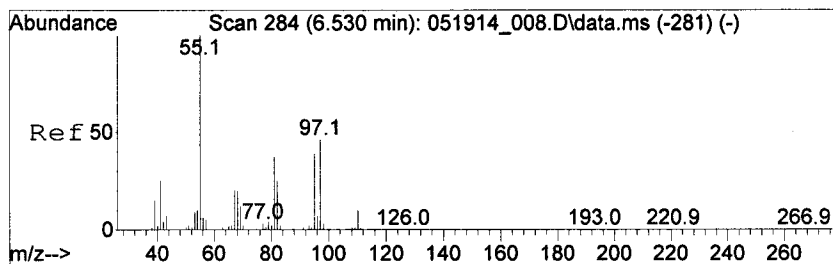
8/6/14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ (b) (7) (C) \RP1581\
 Data File : 070714_005.D
 Acq On : 7 Jul 2014 4:37 pm
 Operator : (b) (7) (C)
 Sample : N105000-02AEXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 5 Sample Multiplier: 1

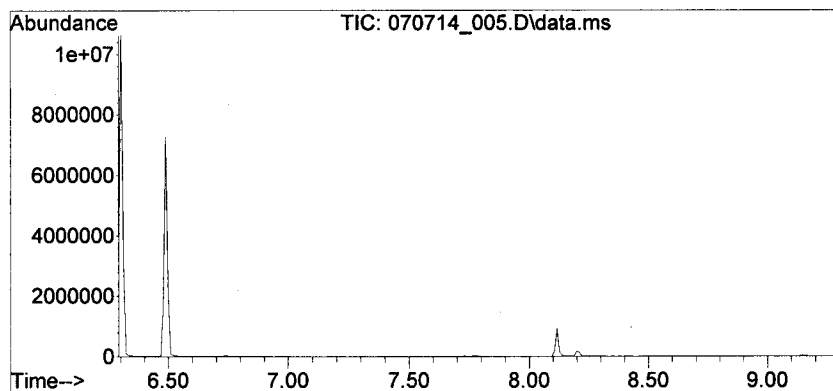
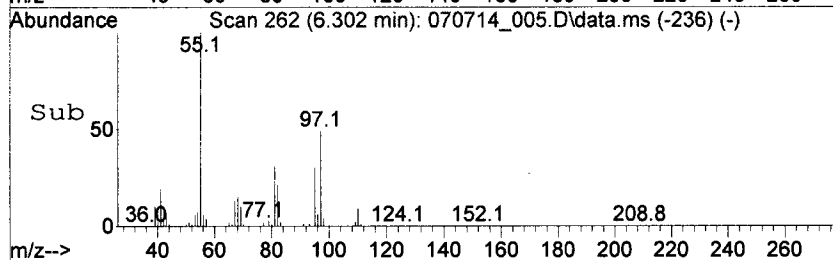
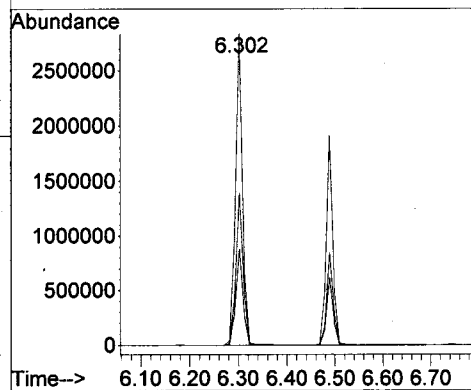
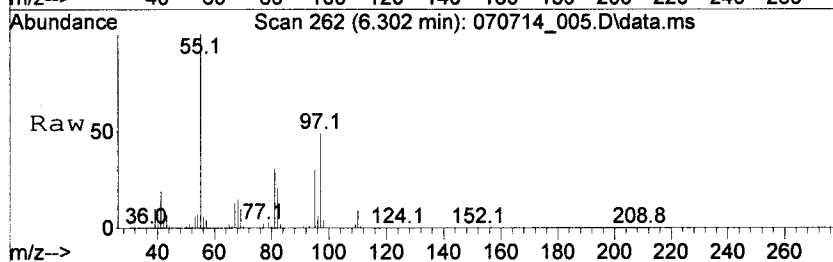
Quant Time: Aug 06 14:44:34 2014
 Quant Method : C:\msdchem\1\METHODS\ (b) (7) (C) \RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration





#2
 MCHM (2 peaks combined)
 Concen: 372.37 ug/mL m
 RT: 6.302 min Scan# 262
 Delta R.T. -0.228 min
 Lab File: 070714_005.D
 Acq: 7 Jul 2014 4:37 pm

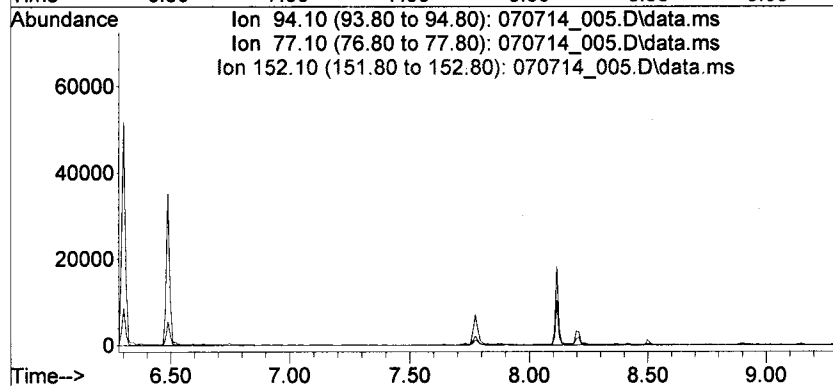
Tgt Ion	Ratio	Lower	Upper
55	100		
97	17.5	31.5	47.3#
81	12.8	24.2	36.4#

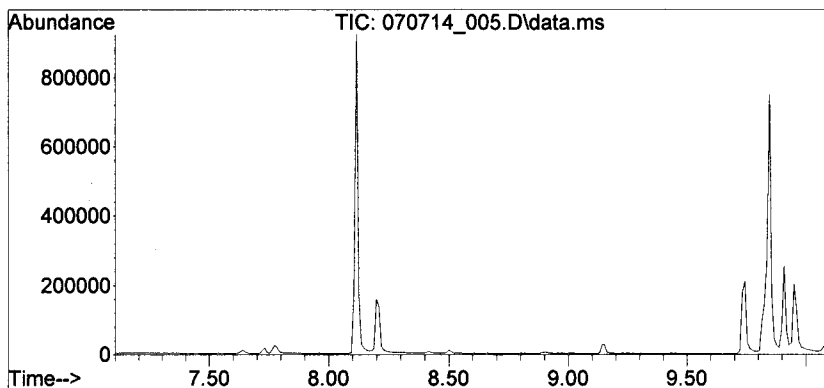


#3
 PPH
 Concen: N.D.
 Expected RT: 7.78 min

Lab File: 070714_005.D
 Acq: 7 Jul 2014 4:37 pm

Tgt Ion	Sig	Exp Ratio
94	100	
77	23.7	
152	18.6	

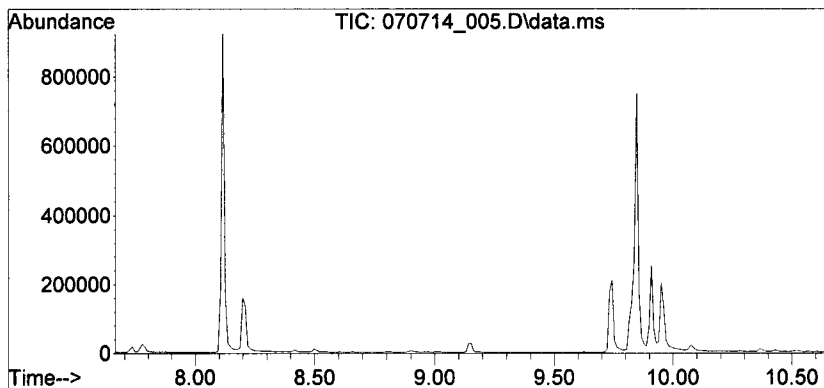
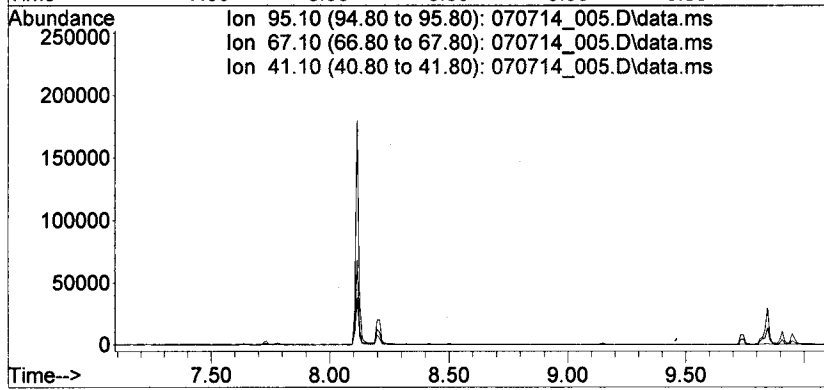




#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 070714_005.D
Acq: 7 Jul 2014 4:37 pm

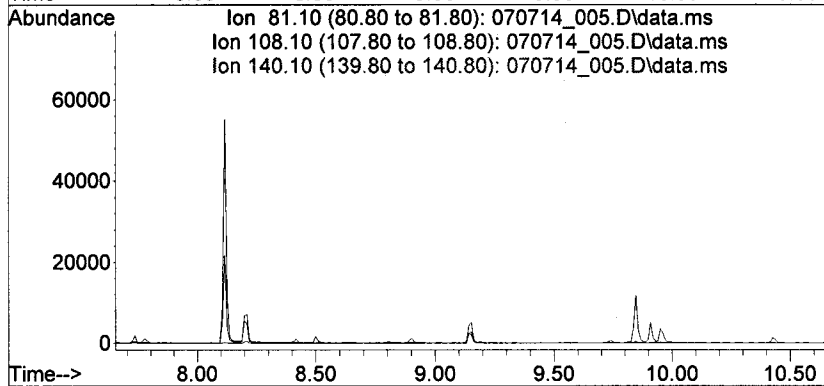
Tgt Ion:	95
Sig	Exp Ratio
95	100
67	41.4
41	53.2

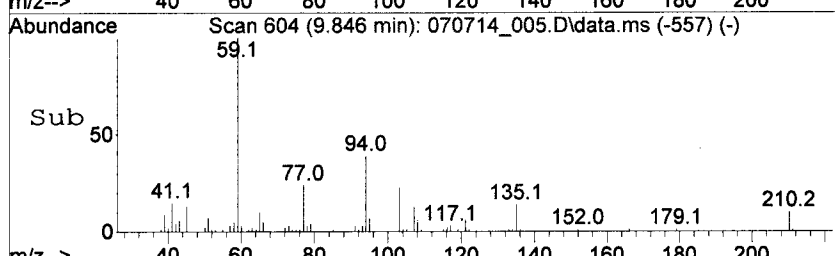
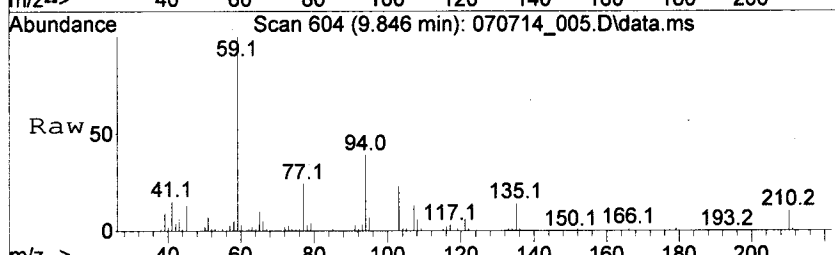
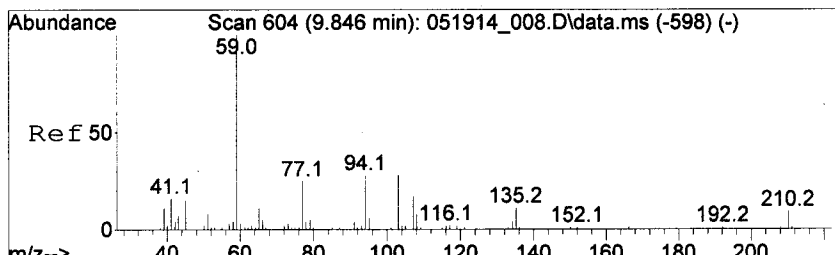


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 070714_005.D
Acq: 7 Jul 2014 4:37 pm

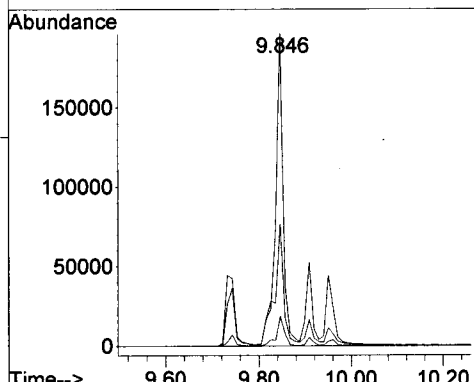
Tgt Ion:	81
Sig	Exp Ratio
81	100
108	36.2
140	63.6





#6
 di-PPH
 Concen: 60.87 ug/mL m
 RT: 9.846 min Scan# 604
 Delta R.T. -0.010 min
 Lab File: 070714_005.D
 Acq: 7 Jul 2014 4:37 pm

Tgt Ion: 59	Resp: 397276
Ion Ratio	Lower Upper
59	100
94	26.7 24.0 36.0
210	5.6 7.2 10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) P1581\
Data File : 070714_006.D
Acq On : 7 Jul 2014 5:08 pm
Operator : (b) (7)(C)
Sample : N405006-02BEXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 14:45:34 2014
Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
Quant Title : Freedom Industries (C)
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev (Min)

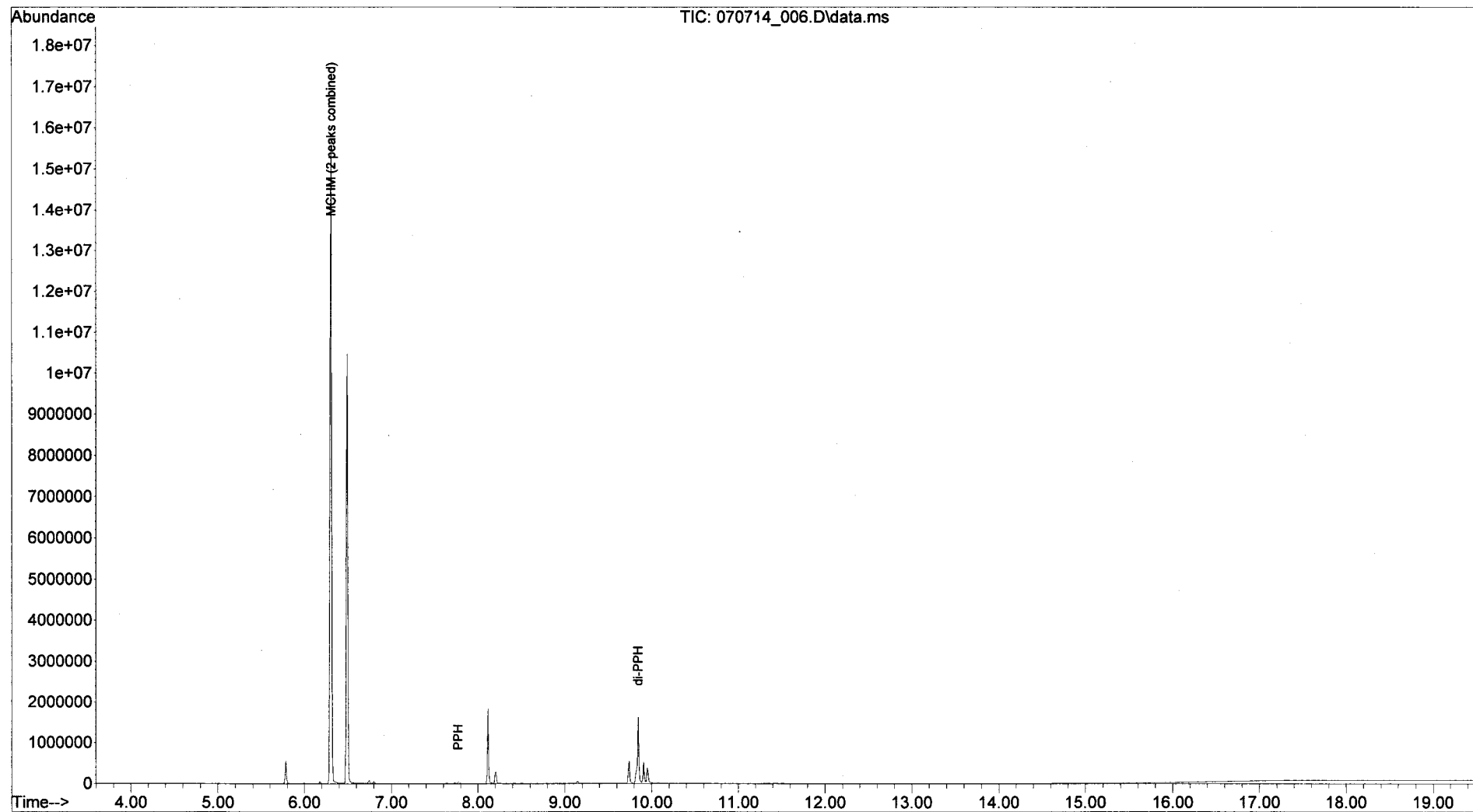
System Monitoring Compounds							
1) Cyclohexanol	0.000	57		0	0.00	ug/mL	
Target Compounds							
2) MCHM (2 peaks combined)	6.312	55		8320694m	651.05	ug/mL	Qvalue
3) PPH	7.774	94		20276	18.50	ug/mL#	55
4) 1,4-CHDM	0.000			0	N.D.	d	
5) DMCH-1,4-DC	0.000			0	N.D.		
6) di-PPH	9.846	59		834990m	92.34	ug/mL	

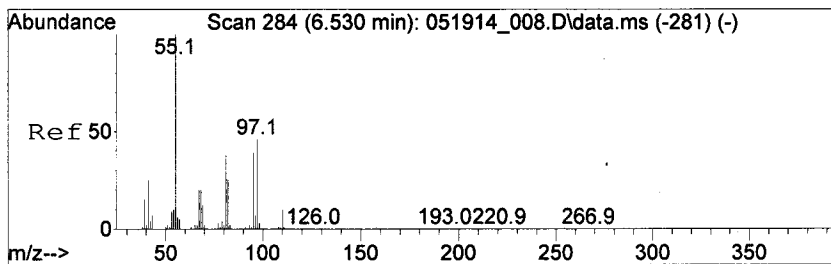
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_006.D
 Acq On : 7 Jul 2014 5:08 pm
 Operator : (b) (7)
 Sample : N405006-02BEXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 6 Sample Multiplier: 1

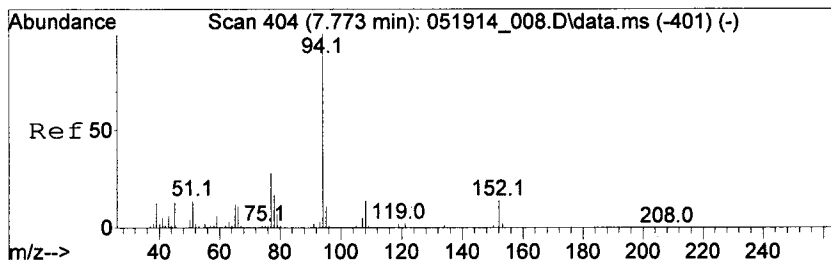
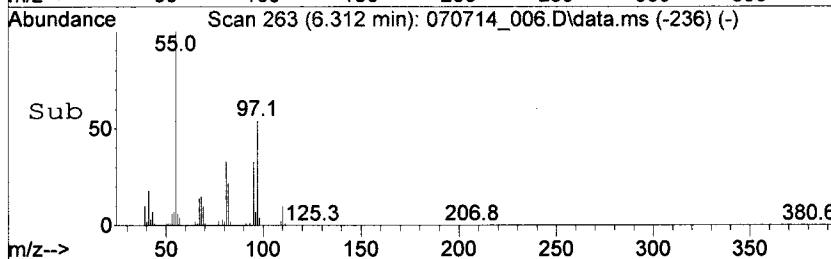
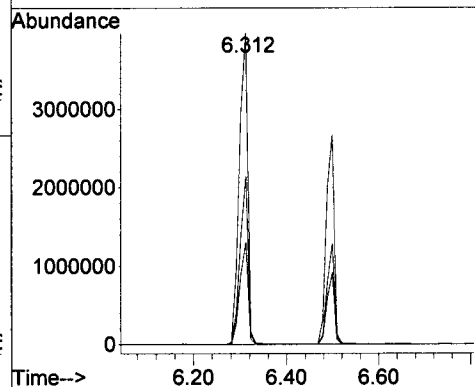
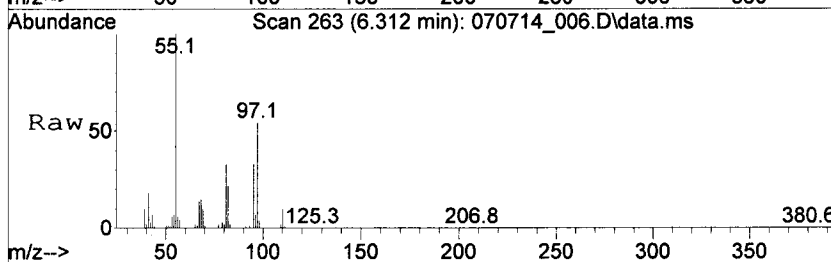
Quant Time: Aug 06 14:45:34 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration





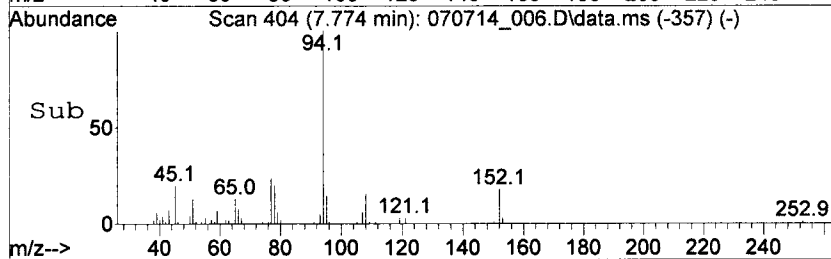
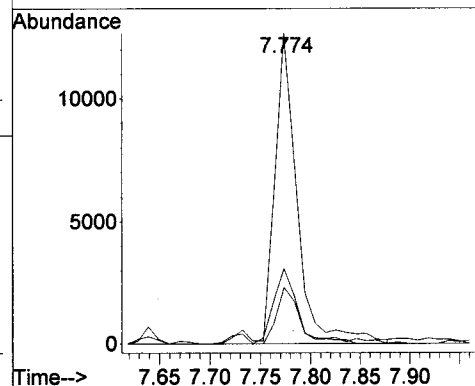
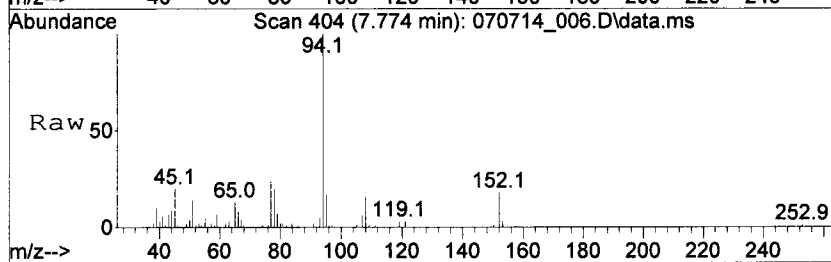
#2
MCHM (2 peaks combined)
Concen: 651.05 ug/mL m
RT: 6.312 min Scan# 263
Delta R.T. -0.218 min
Lab File: 070714_006.D
Acq: 7 Jul 2014 5:08 pm

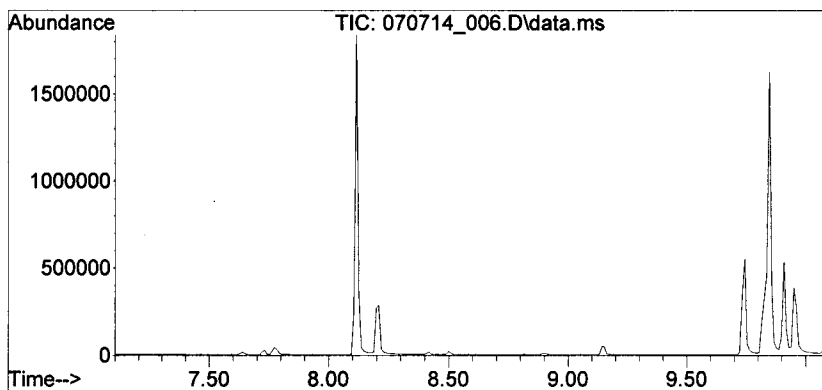
Tgt Ion	Ratio	Lower	Upper
55	100		
97	17.3	31.5	47.3#
81	12.6	24.2	36.4#



#3
PPH
Concen: 18.50 ug/mL
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 070714_006.D
Acq: 7 Jul 2014 5:08 pm

Tgt Ion	Ratio	Lower	Upper
94	100		
77	0.0	19.0	28.4#
152	0.0	14.9	22.3#

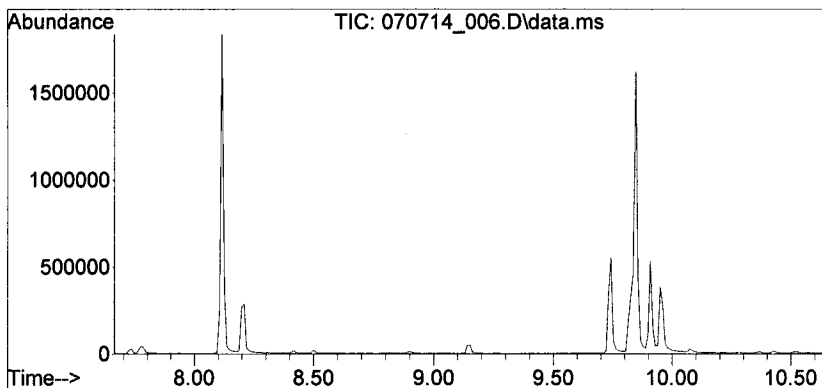
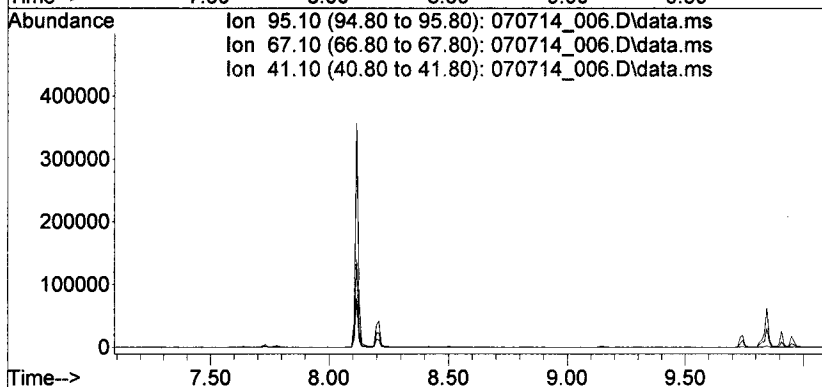




#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 070714_006.D
Acq: 7 Jul 2014 5:08 pm

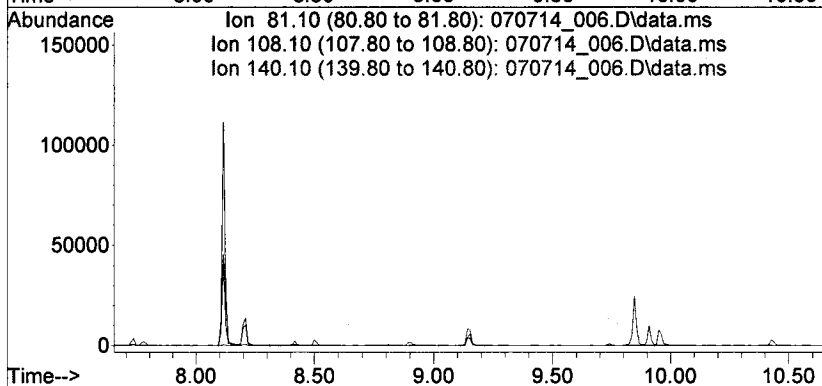
Tgt Ion:	95
Sig	Exp Ratio
95	100
67	41.4
41	53.2

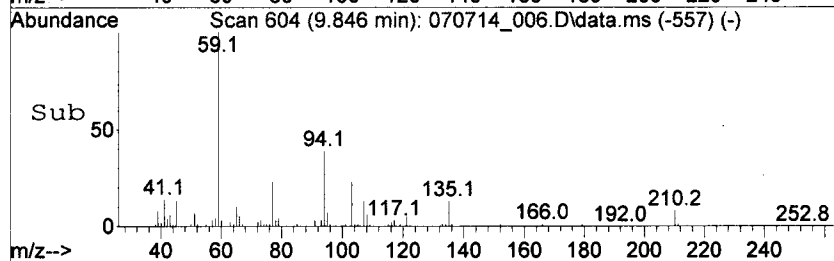
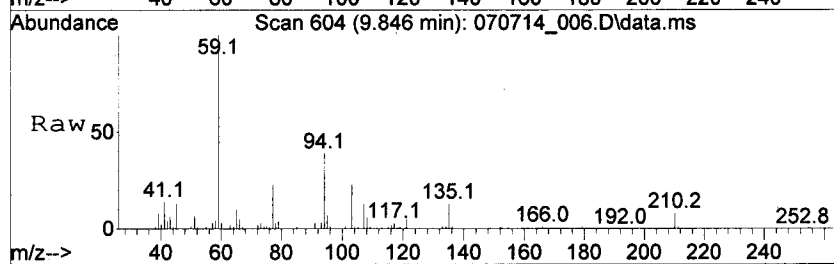
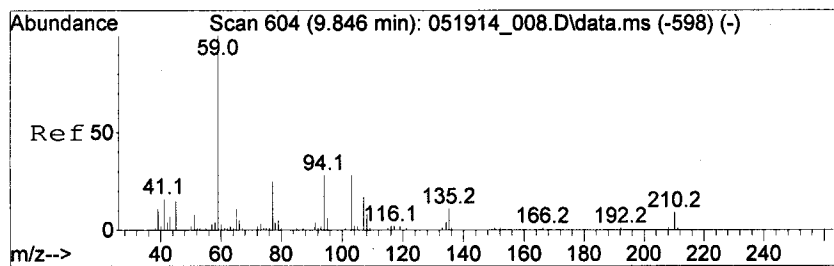


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 070714_006.D
Acq: 7 Jul 2014 5:08 pm

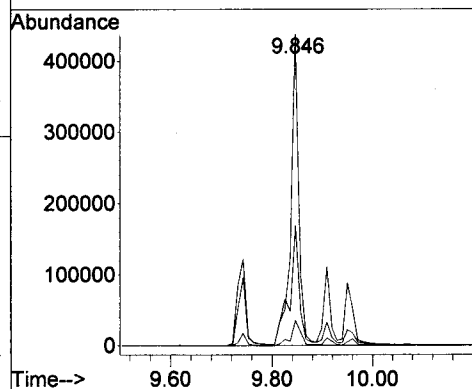
Tgt Ion:	81
Sig	Exp Ratio
81	100
108	36.2
140	63.6





#6
di-PPH
Concen: 92.34 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 070714_006.D
Acq: 7 Jul 2014 5:08 pm

Tgt Ion	59	94	210
Ratio	100	28.5	5.5
Lower		24.0	7.2
Upper		36.0	10.8#



Library Search Report

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_006.D
 Acq On : 7 Jul 2014 5:08 pm
 Operator : (b) (7)(C)
 Sample : N405006-02BEXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 6 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	5.784	1.49	C:\Database\NIST05a.L Cyclohexanemethanol	7281	000100-49-2	91
			Cyclohexanemethanol	7280	000100-49-2	90
			Cyclohexanemethanol	7279	000100-49-2	78
2	6.178	0.15	C:\Database\NIST05a.L 3-Methylenecyclohexene	2549	001888-90-0	38
			Cyclohexene, 3-ethenyl-	5292	000766-03-0	22
			5-Vinyl-pyrazole	2507	1000288-36-8	22
3	6.312	50.56	C:\Database\NIST05a.L Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	59
			Cycloheptanemethanol	12097	004448-75-3	53
4	6.499	32.09	C:\Database\NIST05a.L Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Cycloheptanemethanol	12097	004448-75-3	72
			Cyclohexanemethanol, 4-methyl-, ci	12240	003937-48-2	50
			s-			
5	6.748	0.21	C:\Database\NIST05a.L Cyclohexanecarboxylic acid, 4-meth	27897	051181-40-9	87
			yl-, methyl ester			
			2-Cyclohexen-1-one, 4,4-dimethyl-	10223	001073-13-8	38
			Methanamine, N-[3-methyl-2-butenyl	2943	1000196-86-4	35
			idene]			
6	6.799	0.13	C:\Database\NIST05a.L Hexanoic acid, 2-methyl-4-methylen	27894	1000152-05-4	49
			e-, methyl ester			
			Cyclotetradecane	54513	000295-17-0	32
			2-Octenoic acid, methyl ester	27784	002396-85-2	16
7	7.639	0.05	C:\Database\NIST05a.L Chloroacetic acid, 1-cyclopentylet	50333	1000279-89-0	12
			hyl ester			
			Ethane, 1,2-dichloro-1-fluoro-	7700	000430-57-9	12
			Ethylidenecycloheptane	10316	010494-87-8	11
8	7.732	0.08	C:\Database\NIST05a.L 1,4-Cyclohexanedimethanol	20107	000105-08-8	37
			Tricyclo[3.3.0.0(2,8)]octan-3-one,	22893	109915-32-4	35
			5,8-dimethyl-			
			Santolina epoxide	24051	060485-45-2	35
9	7.774	0.18	C:\Database\NIST05a.L 1-Phenoxypropan-2-ol	24877	000770-35-4	90
			1-Propanol, 3-phenoxy-	24888	006180-61-6	87
			Ethanol, 2-phenoxy-	16694	000122-99-6	53
10	8.116	4.12	C:\Database\NIST05a.L 1-Hydroxymethyl-2-methyl-1-cyclohe	11127	029474-11-1	74

Library Search Report

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 070714_006.D
Acq On : 7 Jul 2014 5:08 pm
Operator : (b) (7)(C)
Sample : N405006-02BEXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 6 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			xene			
			5,5-Dimethyl-1,3-hexadiene	5816	001515-79-3	43
			1,4-Cyclohexanedimethanol	20102	000105-08-8	42
11	8.209	1.05	C:\Database\NIST05a.L			
			1-Hydroxymethyl-2-methyl-1-cyclohe	11127	029474-11-1	58
			xene			
			1,4-Cyclohexanedimethanol	20102	000105-08-8	37
			1H-Imidazole-4-carboxylic acid, me	10722	017325-26-7	35
			thyl ester			
12	9.142	0.19	C:\Database\NIST05a.L			
			1,4-Cyclohexanedicarboxylic acid,	56831	000094-60-0	91
			dimethyl ester			
			1,4-Cyclohexanedicarboxylic acid,	56829	000094-60-0	78
			dimethyl ester			
			1-Methylbicyclo[2.2.1]heptan-exo-2	11124	1000138-89-9	46
			-ol			
13	9.743	1.67	C:\Database\NIST05a.L			
			2-Furanmethanol, tetrahydro-.alpha	83898	026184-88-3	35
			..alpha.,5-trimethyl-5-(4-methyl-			
			3-cyclohexen-1-yl)-, [2S-[2.alpha.			
			,5.beta.(R*)]]-			
			Benzene, (1,1-dimethylethoxy)-	22783	006669-13-2	35
			Carbonic acid, (3,4,4-trimethyl-1,	93085	109123-69-5	32
			2-dioxetan-3-yl)methyl phenyl este			
14	9.846	5.09	C:\Database\NIST05a.L			
			2-Propanol, 1-[1-methyl-2-(2-prope	39519	055956-25-7	38
			nyloxy)ethoxy]-			
			2-Propanol, 1,1'-[(1-methyl-1,2-et	51685	001638-16-0	32
			hanediyl)bis(oxy)]bis-			
			2-Propanol, 1,1'-[(1-methyl-1,2-et	51684	001638-16-0	32
			hanediyl)bis(oxy)]bis-			
15	9.908	1.32	C:\Database\NIST05a.L			
			Methane, diethoxy-	4635	000462-95-3	35
			1-Propanol, 2-(2-hydroxypropoxy)-	14627	000106-62-7	27
			2-Butanol, 3,3'-oxybis-	31180	054305-61-2	25
16	9.950	1.39	C:\Database\NIST05a.L			
			Dipropylene glycol	14606	025265-71-8	43
			1-Propanol, 2-(2-hydroxypropoxy)-	14628	000106-62-7	43
			1-Propanol, 2-(2-hydroxypropoxy)-	14627	000106-62-7	43
17	10.074	0.09	C:\Database\NIST05a.L			
			Diethyl Phthalate	72414	000084-66-2	86
			Diethyl Phthalate	72415	000084-66-2	86
			Phthalic acid, ethyl 3,4-dimethylp	123527	1000309-81-6	50
			henyl ester			
18	11.421	0.08	C:\Database\NIST05a.L			
			Hexanamide	7586	000628-02-4	46
			Acetic acid, chloro-, 1,1-dimethyl	23176	000107-59-5	37

Library Search Report

Data Path : C:\msdchem\1\DATA\ (b) (7)(C) RP1581\
 Data File : 070714_006.D
 Acq On : 7 Jul 2014 5:08 pm
 Operator : (b) (7)(C)
 Sample : N405006-02BEXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 6 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			ethyl ester			
			Acetaldoxime	238	000107-29-9	35
19	11.504	0.05	C:\Database\NIST05a.L			
			2-(Phenoxymethyl)benzoic acid	77163	000724-98-1	22
			1-Isobutyladamantane	51344	027364-16-5	22
			1H-Indole, 5-fluoro-	14966	000399-52-0	14

Data Path : C:\msdchem\1\DATA(b) (7)(C) \RP1581\
Data File : 070714_007.D
Acq On : 7 Jul 2014 5:38 pm
Operator : (b) (7)
Sample : (C) N405006-02CEXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 14:48:37 2014 (b) (7)
Quant Method : C:\msdchem\1\METHODS(C) _RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev (Min)

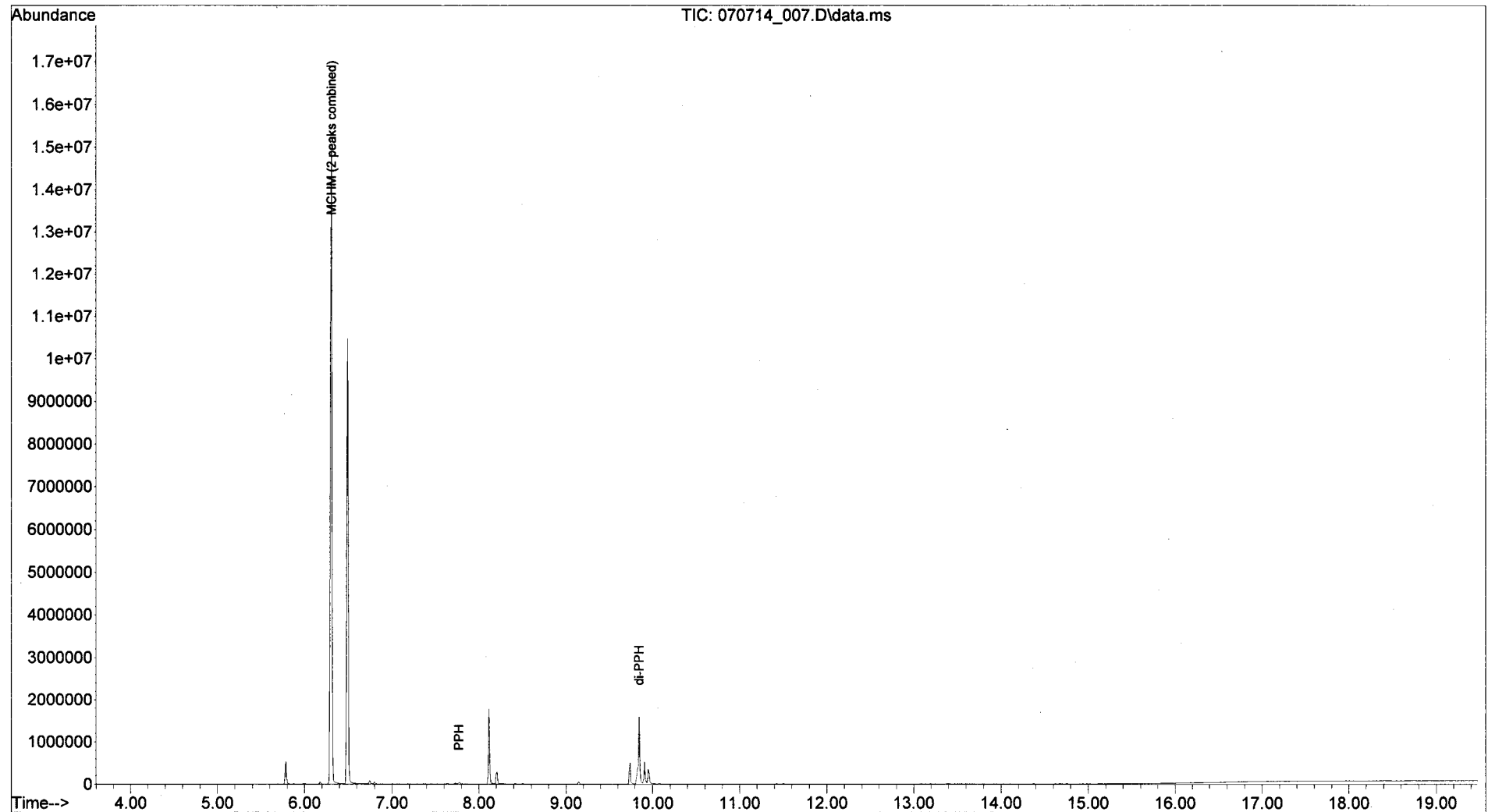
System Monitoring Compounds							
1) Cyclohexanol	0.000	57		0	0.00	ug/mL	
Target Compounds							
2) MCHM (2 peaks combined)	6.312	55		8217064m	643.13	ug/mL	Qvalue
3) PPH	7.773	94		20261	18.50	ug/mL#	55
4) 1,4-CHDM	0.000			0	N.D.	d	
5) DMCH-1,4-DC	0.000			0	N.D.		
6) di-PPH	9.846	59		812217m	90.70	ug/mL	

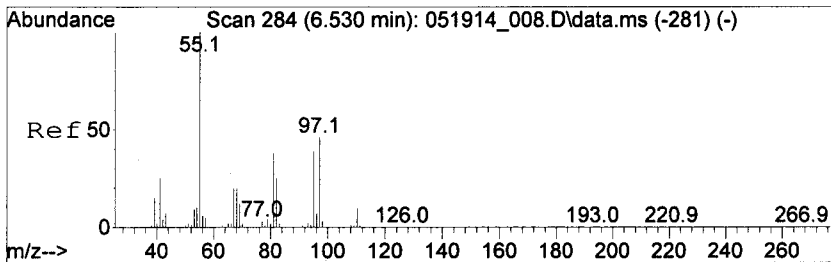
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) 581\
 Data File : 070714_007.D
 Acq On : 7 Jul 2014 5:38 PM
 Operator : (b) (7)(C)
 Sample : N405006-02CEXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 7 Sample Multiplier: 1

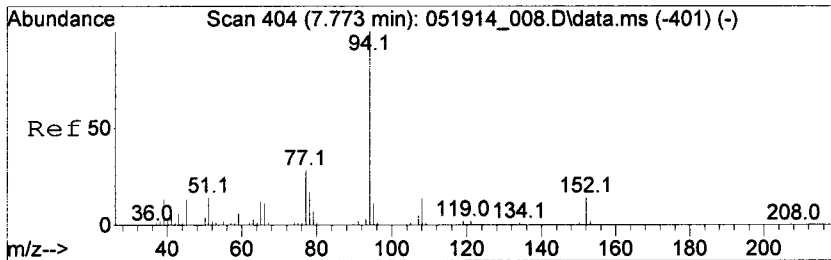
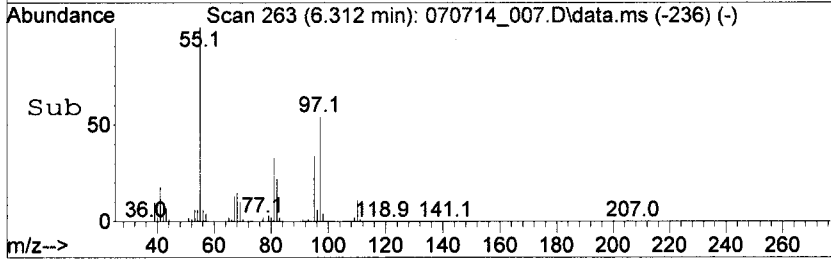
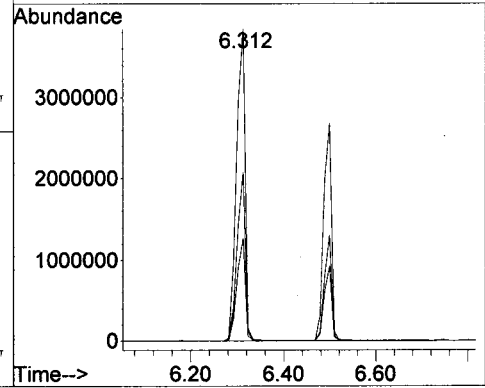
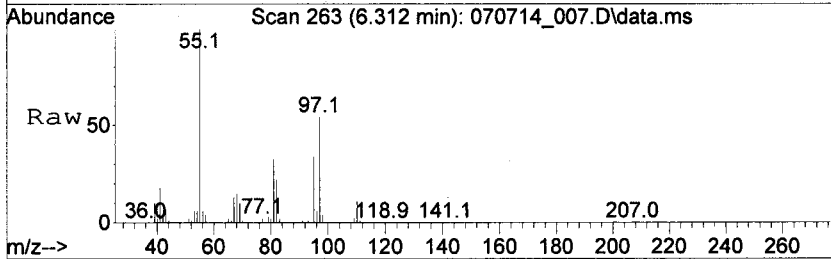
Quant Time: Aug 06 14:48:37 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) P1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration





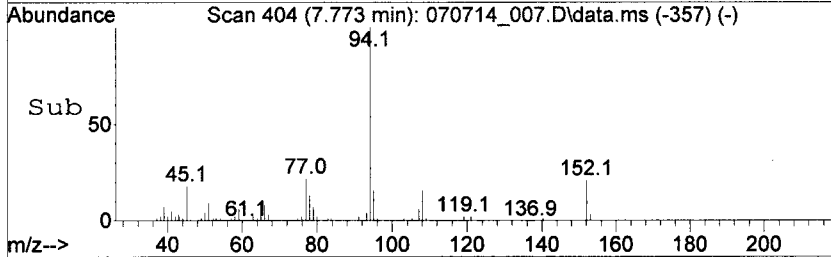
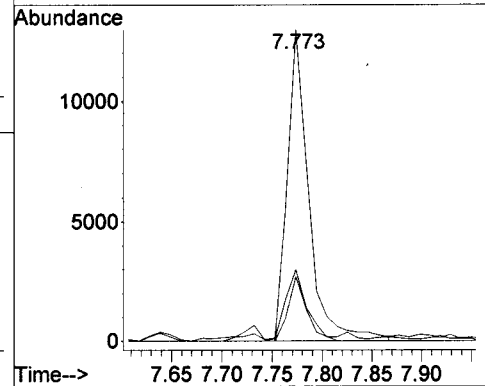
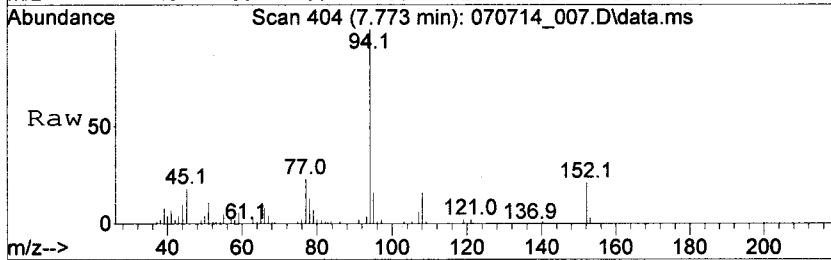
#2
MCHM (2 peaks combined)
Concen: 643.13 ug/mL m
RT: 6.312 min Scan# 263
Delta R.T. -0.218 min
Lab File: 070714_007.D
Acq: 7 Jul 2014 5:38 pm

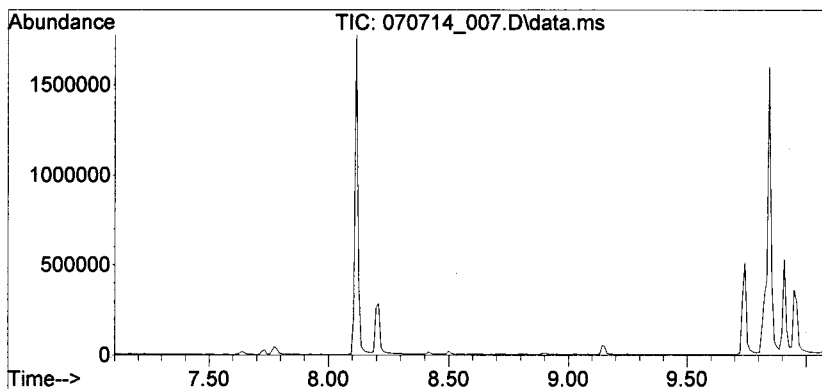
Tgt Ion	Ratio	Lower	Upper
55	100		
97	17.5	31.5	47.3#
81	12.8	24.2	36.4#



#3
PPH
Concen: 18.50 ug/mL
RT: 7.773 min Scan# 404
Delta R.T. -0.011 min
Lab File: 070714_007.D
Acq: 7 Jul 2014 5:38 pm

Tgt Ion	Ratio	Lower	Upper
94	100		
77	0.0	19.0	28.4#
152	0.0	14.9	22.3#

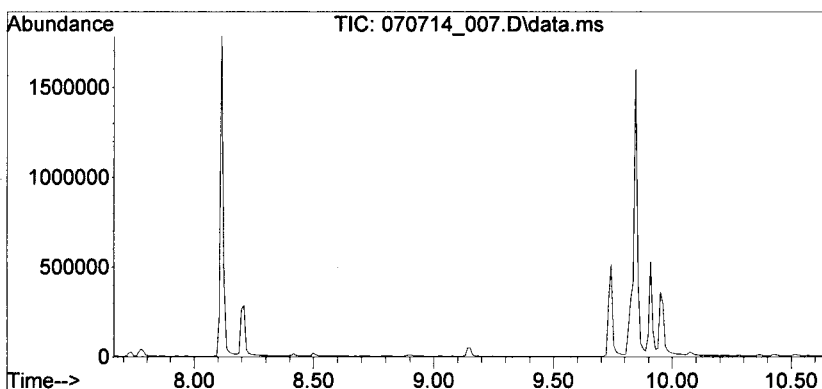
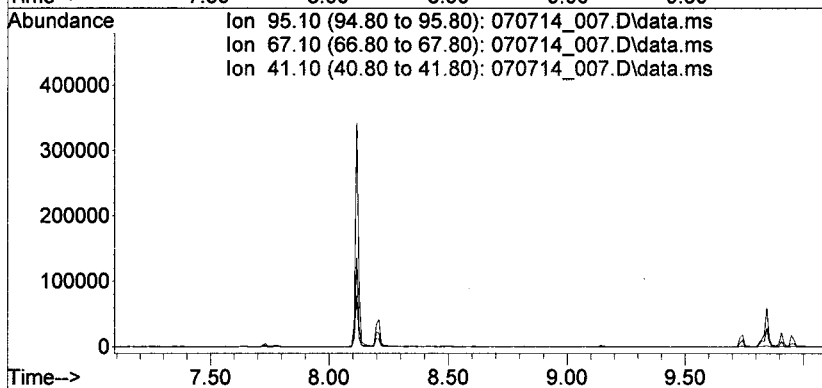




#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 070714_007.D
Acq: 7 Jul 2014 5:38 pm

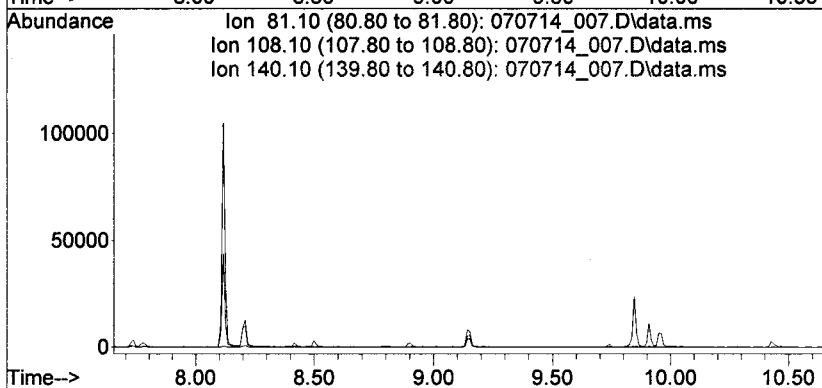
Tgt Ion:	95
Sig	Exp Ratio
95	100
67	41.4
41	53.2

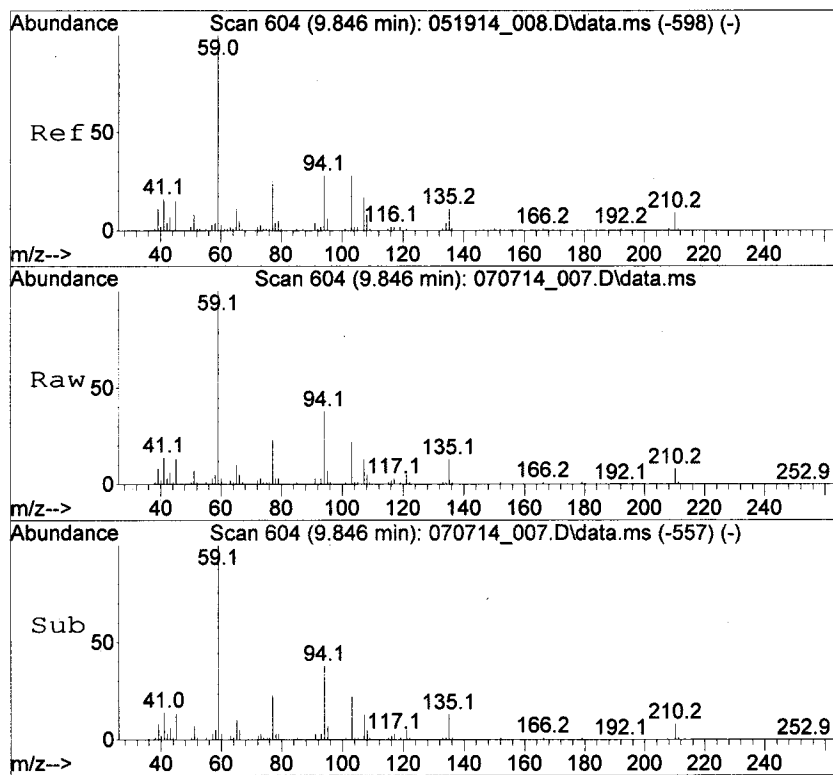


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 070714_007.D
Acq: 7 Jul 2014 5:38 pm

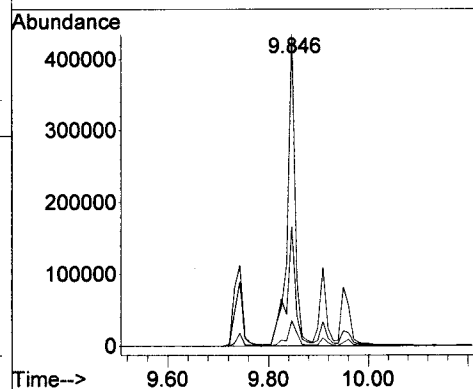
Tgt Ion:	81
Sig	Exp Ratio
81	100
108	36.2
140	63.6





#6
di-PPH
Concen: 90.70 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 070714_007.D
Acq: 7 Jul 2014 5:38 pm

Tgt Ion: 59	Resp: 812217
Ion Ratio	Lower Upper
59 100	
94 27.7	24.0 36.0
210 5.5	7.2 10.8#



Library Search Report

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_007.D
 Acq On : 7 Jul 2014 5:38 pm
 Operator : (b) (7)(C)
 Sample : N405006-02CEXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 7 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	5.784	1.45	C:\Database\NIST05a.L			
			Cyclohexanemethanol	7281	000100-49-2	91
			Cyclohexanemethanol	7280	000100-49-2	90
			Cyclohexanemethanol	7273	000100-49-2	64
2	6.001	0.06	C:\Database\NIST05a.L			
			1-Hexanol, 2-ethyl-	13237	000104-76-7	53
			1-Hexanol, 2-ethyl-	13229	000104-76-7	53
			1-Hexanol, 2-ethyl-	13235	000104-76-7	47
3	6.178	0.14	C:\Database\NIST05a.L			
			3-Methylenecyclohexene	2549	001888-90-0	38
			exo-Norbornyl alcohol	6322	000497-37-0	38
			4-Vinyl-imidazole	2512	003718-04-5	35
4	6.312	50.52	C:\Database\NIST05a.L			
			Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	59
			Cycloheptanemethanol	12097	004448-75-3	53
5	6.499	32.30	C:\Database\NIST05a.L			
			Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Cycloheptanemethanol	12097	004448-75-3	64
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	50
6	6.748	0.21	C:\Database\NIST05a.L			
			Cyclohexanecarboxylic acid, 4-meth	27897	051181-40-9	74
			yl-, methyl ester			
			3-Octenoic acid, methyl ester, (Z)	27828	069668-85-5	32
			Cycloheptanecarboxylic acid	18976	001460-16-8	25
7	6.799	0.12	C:\Database\NIST05a.L			
			Cycloheptanemethanol	12097	004448-75-3	47
			Hexanoic acid, 2-methyl-4-methylen	27894	1000152-05-4	43
			e-, methyl ester			
			Cycloheptanemethanol	12094	004448-75-3	43
8	7.639	0.07	C:\Database\NIST05a.L			
			3-Cyclohexene-1-carboxaldehyde, 1-	10248	000931-96-4	42
			methyl-			
			Pentaleno[1,2-b]oxirene, octahydro	10261	055449-71-3	30
			-, (1a.alpha.,1b.alpha.,4a.beta.,5			
			a.alpha.)-			
			Cyclohexanecarboxaldehyde, 4-(hydr	19125	092385-32-5	27
			oxymethyl)-			
9	7.732	0.08	C:\Database\NIST05a.L			
			1,4-Cyclohexanedimethanol	20107	000105-08-8	40
			1,4-Cyclohexanedimethanol	20102	000105-08-8	38
			1-Hydroxymethyl-2-methyl-1-cyclohe	11127	029474-11-1	38
			xene			

10 7.773 0.18 C:\Database\NIST05a.L

Library Search Report

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 070714_007.D
Acq On : 7 Jul 2014 5:38 pm
Operator : (b) (7)(C)
Sample : N403006-02CEXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 7 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			1-Propanol, 3-phenoxy-	24888	006180-61-6	94
			1-Phenoxypropan-2-ol	24877	000770-35-4	87
			1-Propanol, 2-phenoxy-	24889	004169-04-4	64
11	8.115	4.12	C:\Database\NIST05a.L			
			1-Hydroxymethyl-2-methyl-1-cyclohexene	11127	029474-11-1	74
			1,4-Cyclohexanedimethanol	20107	000105-08-8	59
			Cyclohexanol, 2-methylene-6-methyl	11118	1000196-32-3	43
12	8.209	1.06	C:\Database\NIST05a.L			
			1,4-Cyclohexanedimethanol	20108	000105-08-8	47
			Cyclohexanemethanol, 4-methylene-	11106	001004-24-6	41
			1,4-Cyclohexanedimethanol	20102	000105-08-8	37
13	9.141	0.18	C:\Database\NIST05a.L			
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56831	000094-60-0	91
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56830	000094-60-0	64
			Methyl 1-cyclohexene-1-carboxylate	17824	018448-47-0	38
14	9.742	1.59	C:\Database\NIST05a.L			
			Carbonic acid, (3,4,4-trimethyl-1,2-dioxetan-3-yl)methyl phenyl ester	93085	109123-69-5	35
			Benzene, (1,1-dimethylethoxy)-	22783	006669-13-2	35
			Benzene, propoxy-	15831	000622-85-5	27
15	9.846	4.98	C:\Database\NIST05a.L			
			Methane, diethoxy-	4635	000462-95-3	43
			Methane, diethoxy-	4636	000462-95-3	38
			2-Propanol, 1-[1-methyl-2-(2-propoxy)ethoxy]-	39519	055956-25-7	38
16	9.908	1.33	C:\Database\NIST05a.L			
			Methane, diethoxy-	4635	000462-95-3	35
			Benzene, (2-methoxyethoxy)-	24919	041532-81-4	27
			Methane, diethoxy-	4636	000462-95-3	27
17	9.950	1.40	C:\Database\NIST05a.L			
			2-Butanol, 3,3'-oxybis-	31180	054305-61-2	43
			1-Propanol, 2-(2-hydroxypropoxy)-	14628	000106-62-7	43
			Dipropylene glycol	14606	025265-71-8	43
18	10.074	0.12	C:\Database\NIST05a.L			
			Diethyl Phthalate	72412	000084-66-2	53
			Phthalic acid, ethyl non-5-yn-3-yl ester	134584	1000315-18-0	50
			Phthalic acid, ethyl 2-methylallyl ester	90510	1000315-19-8	50
19	11.421	0.09	C:\Database\NIST05a.L			
			1,2-Dideoxy-1-erythro-pentitol	8978	1000112-47-4	35
			Butanamide, 3-methyl-	3995	000541-46-8	27
			Ethanamine, N-methyl-	249	000624-78-2	25

Library Search Report

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 070714_007.D
Acq On : 7 Jul 2014 5:38 pm
Operator : (b) (7)
Sample : N405006-02CEXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 7 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_008.D
 Acq On : 7 Jul 2014 6:08 pm
 Operator : (b) (7)(C)
 Sample : N405006-10EXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 14:55:23 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

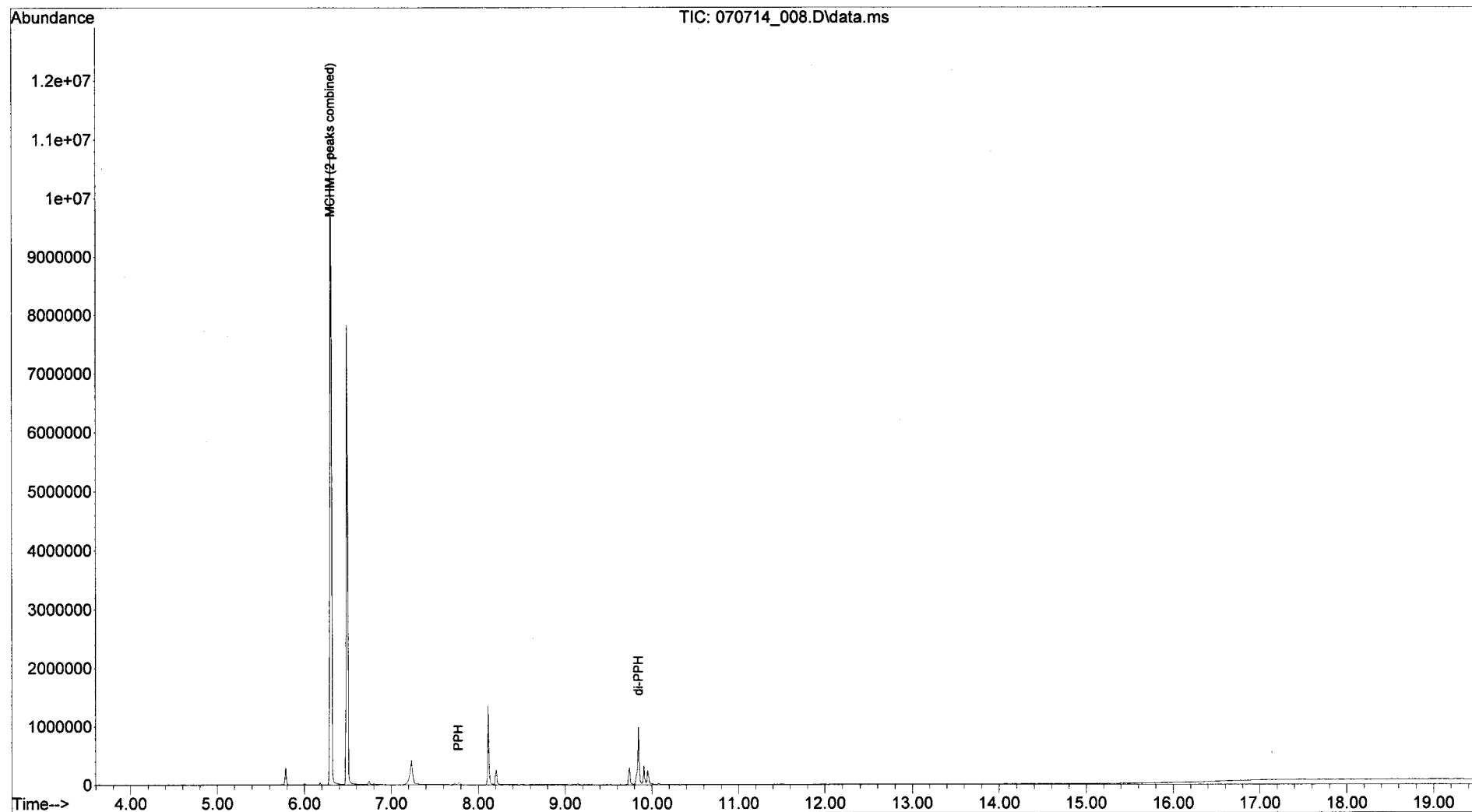
System Monitoring Compounds						
1) Cyclohexanol	0.000	57	0	0.00	ug/mL	
Target Compounds						
2) MCHM (2 peaks combined)	6.302	55	6126435m	483.51	ug/mL	Qvalue
3) PPH	7.773	94	16996m	18.30	ug/mL	
4) 1,4-CHDM	0.000		0	N.D.	d	
5) DMCH-1,4-DC	0.000		0	N.D.		
6) di-PPH	9.846	59	516549m	69.45	ug/mL	

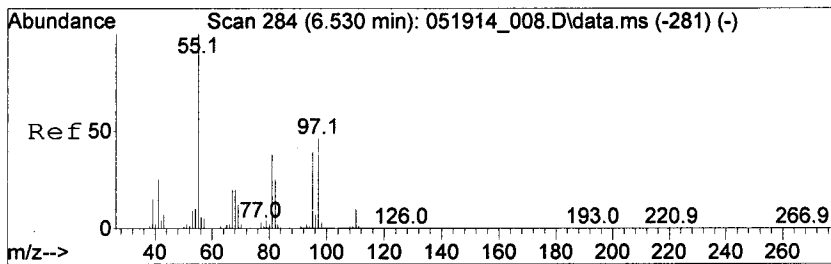
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_008.D
 Acq On : 7 Jul 2014 6:08 pm
 Operator : (b) (7)(C)
 Sample : N405006-10EXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 8 Sample Multiplier: 1

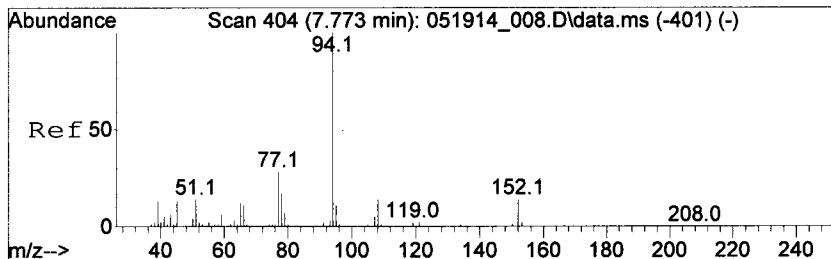
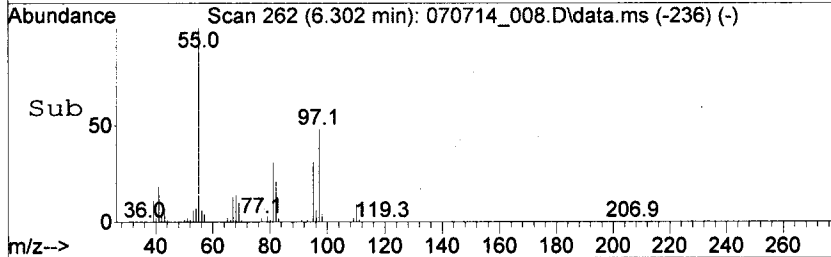
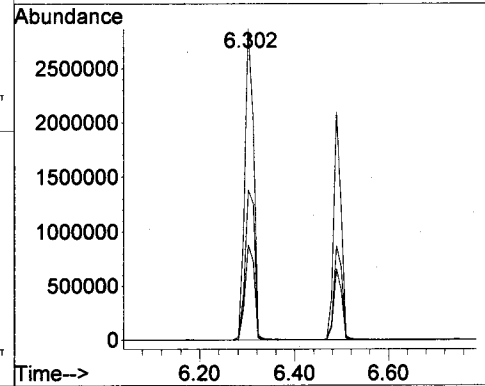
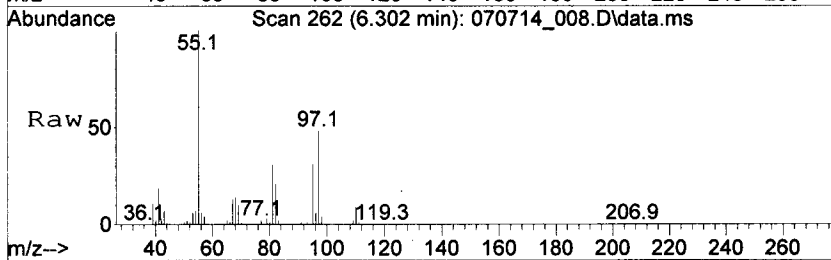
Quant Time: Aug 06 14:55:23 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries (C)
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration





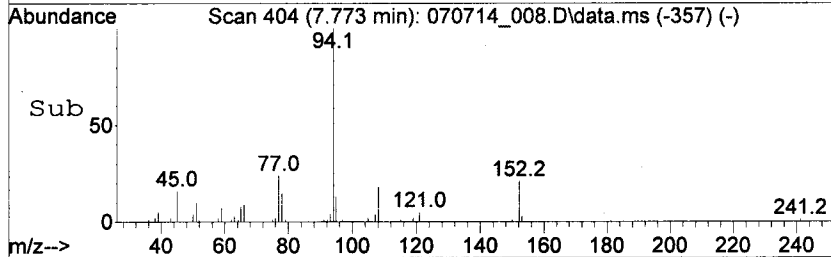
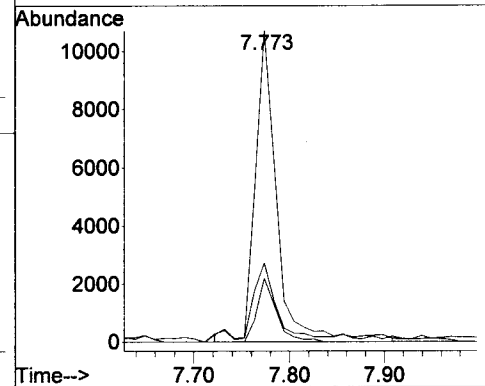
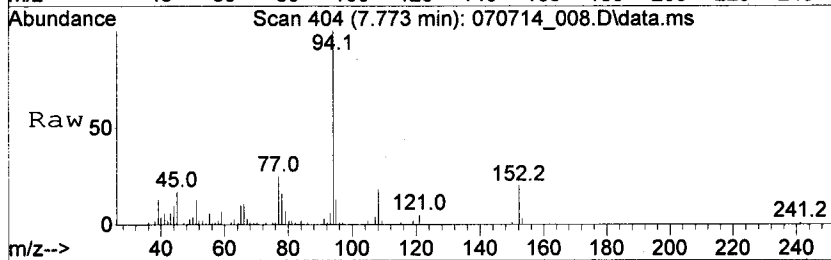
#2
MCHM (2 peaks combined)
Concen: 483.51 ug/mL m
RT: 6.302 min Scan# 262
Delta R.T. -0.228 min
Lab File: 070714_008.D
Acq: 7 Jul 2014 6:08 pm

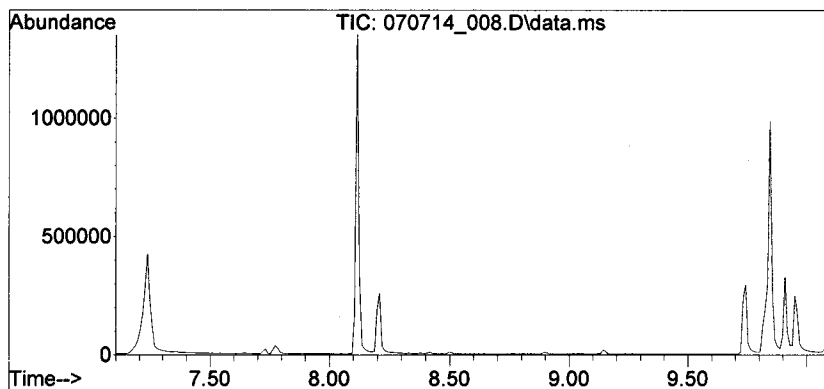
Tgt Ion	Ratio	Lower	Upper
55	100		
97	17.6	31.5	47.3#
81	12.8	24.2	36.4#



#3
PPH
Concen: 18.30 ug/mL m
RT: 7.773 min Scan# 404
Delta R.T. -0.011 min
Lab File: 070714_008.D
Acq: 7 Jul 2014 6:08 pm

Tgt Ion	Ratio	Lower	Upper
94	100		
77	0.0	19.0	28.4#
152	0.0	14.9	22.3#

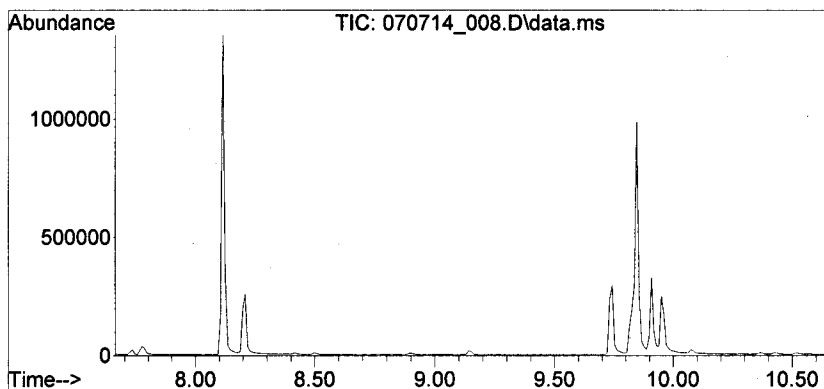
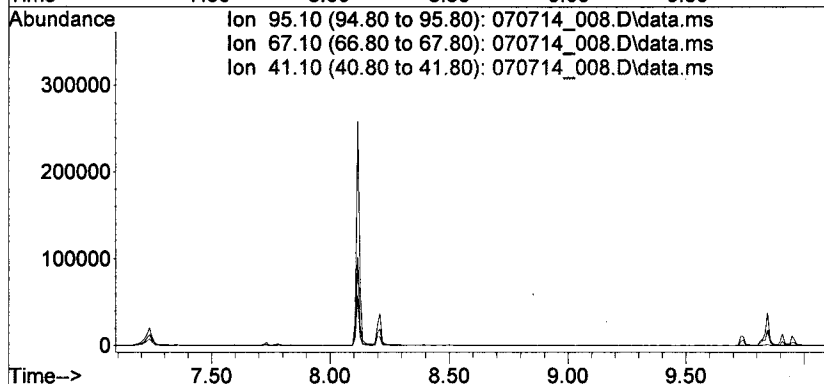




#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 070714_008.D
Acq: 7 Jul 2014 6:08 pm

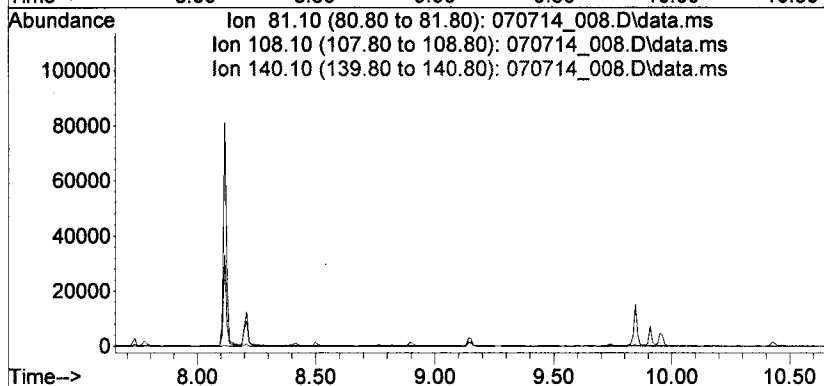
Tgt Ion	Exp Ratio
95	100
67	41.4
41	53.2

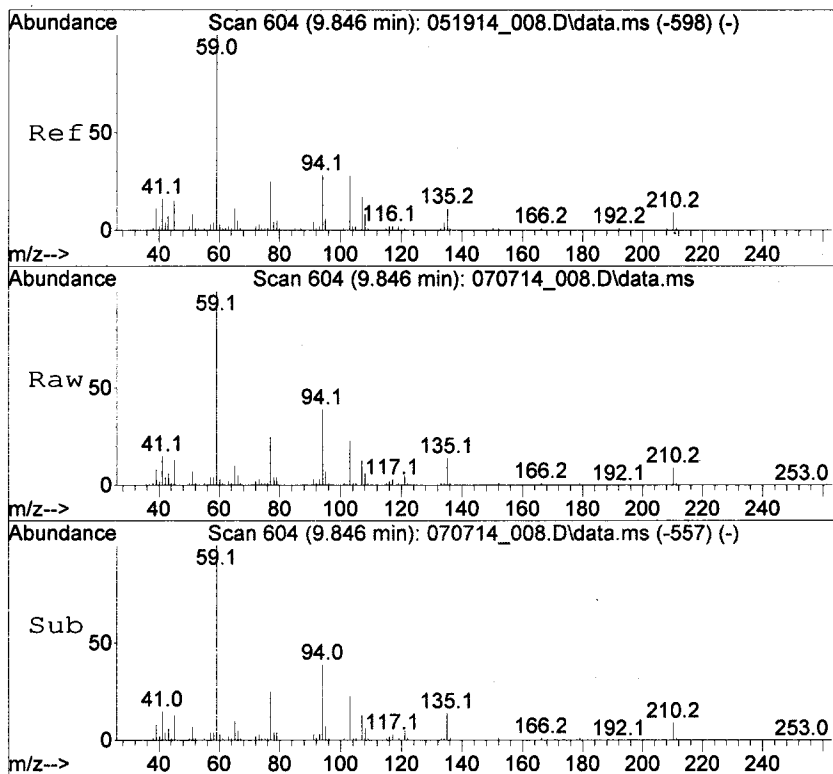


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 070714_008.D
Acq: 7 Jul 2014 6:08 pm

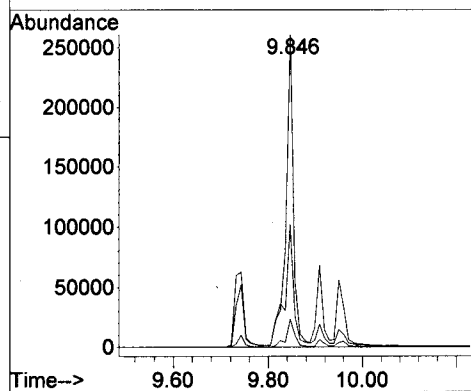
Tgt Ion	Exp Ratio
81	100
108	36.2
140	63.6





#6
 di-PPH
 Concen: 69.45 ug/mL m
 RT: 9.846 min Scan# 604
 Delta R.T. -0.010 min
 Lab File: 070714_008.D
 Acq: 7 Jul 2014 6:08 pm

Tgt Ion	Ratio	Lower	Upper
59	100		
94	26.4	24.0	36.0
210	5.5	7.2	10.8#



Library Search Report

Data Path : C:\msdchem\1\DATA (b) (7)(C) \RP1581\
 Data File : 070714_008.D
 Acq On : 7 Jul 2014 6:08 pm
 Operator : (b) (7)(C)
 Sample : N405006-10EXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 8 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	5.784	1.10	C:\Database\NIST05a.L			
			Cyclohexanemethanol	7273	000100-49-2	91
			Cyclohexanemethanol	7281	000100-49-2	91
			Cyclohexanemethanol	7280	000100-49-2	90
2	6.001	0.09	C:\Database\NIST05a.L			
			1-Hexanol, 2-ethyl-	13237	000104-76-7	59
			1-Hexanol, 2-ethyl-	13229	000104-76-7	50
			1-Hexanol, 2-ethyl-	13236	000104-76-7	45
3	6.178	0.14	C:\Database\NIST05a.L			
			3-Methylenecyclohexene	2549	001888-90-0	43
			Oxirane, (7-octenyl)-	25557	085721-25-1	35
			7-Oxabicyclo[4.3.0]nonane, cis-	11091	013149-01-4	35
4	6.302	49.95	C:\Database\NIST05a.L			
			Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Oxalic acid, cyclohexylmethyl ethy	66858	1000309-68-0	50
			l ester			
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	50
5	6.488	31.59	C:\Database\NIST05a.L			
			Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Cycloheptanemethanol	12097	004448-75-3	64
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	53
6	6.747	0.25	C:\Database\NIST05a.L			
			Cyclohexanecarboxylic acid, 4-meth	27897	051181-40-9	90
			yl-, methyl ester			
			10-Undecenoic acid, methyl ester	55671	000111-81-9	25
			1,3,2-Oxathiaborinane, 2,5-diisopr	56895	1000139-33-7	25
			opyl-6-methyl-			
7	7.235	3.29	C:\Database\NIST05a.L			
			Cyclohexanecarboxylic acid, 4-meth	19074	004331-54-8	93
			yl-			
			3-Methylcyclohexane-1-carboxylic a	19076	1000132-15-7	86
			cid			
			Cycloheptanecarboxylic acid	18967	001460-16-8	43
8	7.732	0.07	C:\Database\NIST05a.L			
			1,4-Cyclohexanedimethanol	20107	000105-08-8	32
			Endo-tricyclo[5.2.1.0(2.6)]decane	15257	1000215-28-8	25
			Toluene-D3	2630	001124-18-1	22
9	7.773	0.18	C:\Database\NIST05a.L			
			1-Propanol, 3-phenoxy-	24888	006180-61-6	95
			1-Phenoxypropan-2-ol	24877	000770-35-4	87
			Ethanol, 2-phenoxy-	16696	000122-99-6	53
10	8.115	4.14	C:\Database\NIST05a.L			
			1-Hydroxymethyl-2-methyl-1-cyclohe	11127	029474-11-1	81
			xene			

Library Search Report

Data Path : C:\msdchem\1\DATA\Angie\RP1581\
Data File : 070714_008.D
Acq On : 7 Jul 2014 6:08 pm
Operator : AMH
Sample : N405006-10EXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 8 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			1,4-Cyclohexanedimethanol	20107	000105-08-8	53
			Cyclohexanol, 2-methylene-6-methyl	11118	1000196-32-3	50
11	8.209	1.15	C:\Database\NIST05a.L			
			1-Hydroxymethyl-2-methyl-1-cyclohe xene	11127	029474-11-1	53
			1,4-Cyclohexanedimethanol	20102	000105-08-8	50
			(4-Methyl-cyclohex-3-enyl)-methano	11117	089690-46-0	35
12	9.141	0.08	C:\Database\NIST05a.L			
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56831	000094-60-0	74
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56830	000094-60-0	50
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56829	000094-60-0	50
13	9.742	1.37	C:\Database\NIST05a.L			
			Benzene, (1,1-dimethylethoxy)-	22783	006669-13-2	35
			Ethanol, 2-phenoxy-	16696	000122-99-6	35
			Carbonic acid, (3,4,4-trimethyl-1, 2-dioxetan-3-yl)methyl phenyl este	93085	109123-69-5	35
14	9.846	4.16	C:\Database\NIST05a.L			
			2,5,8,11,14,17-Hexaoxaoctadecane	102216	001191-87-3	38
			2-Propanol, 1-[1-methyl-2-(2-prope nyloxy)ethoxy]-	39519	055956-25-7	38
			1-Propanol, 2-(2-hydroxypropoxy)-	14626	000106-62-7	32
15	9.908	1.19	C:\Database\NIST05a.L			
			2-Butanol, 3,3'-oxybis-	31180	054305-61-2	35
			Methane, diethoxy-	4635	000462-95-3	35
			Dipropylene glycol	14606	025265-71-8	35
16	9.950	1.16	C:\Database\NIST05a.L			
			Dipropylene glycol	14606	025265-71-8	43
			2-Butanol, 3,3'-oxybis-	31180	054305-61-2	43
			Hexaethylene glycol dimethyl ether	130656	001072-40-8	43
17	10.074	0.11	C:\Database\NIST05a.L			
			Diethyl Phthalate	72412	000084-66-2	52
			Phthalic acid, ethyl 2-pentyl este	101193	1000315-47-4	47
			Phthalic acid, ethyl pentadecyl es ter	172341	1000308-93-3	43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 070714_009.D
Acq On : 7 Jul 2014 6:39 pm
Operator : (b) (7)
Sample : N405006-10EXT-DUP1
Misc : 20 uL in 980 MeCl2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 06 14:56:38 2014 (b) (7)
Quant Method : C:\msdchem\1\METHODS (C) RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

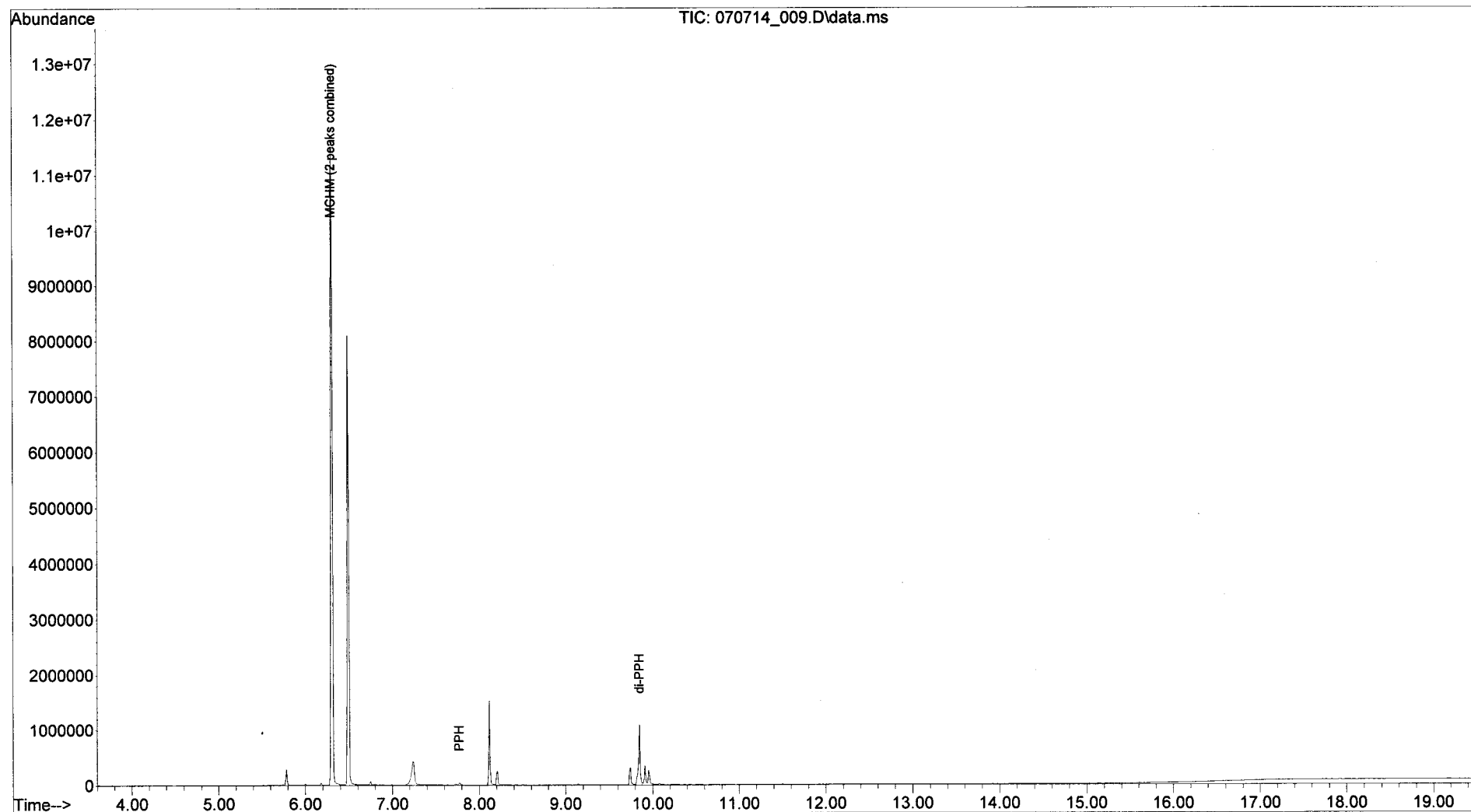
System Monitoring Compounds						
1) Cyclohexanol	0.000	57	0	0.00	ug/mL	
Target Compounds						Qvalue
2) MCHM (2 peaks combined)	6.302	55	6788083m	534.03	ug/mL	
3) PPH	7.774	94	18977m	18.42	ug/mL	
4) 1,4-CHDM	0.000		0	N.D.	d	
5) DMCH-1,4-DC	0.000		0	N.D.		
6) di-PPH	9.846	59	568717m	73.20	ug/mL	

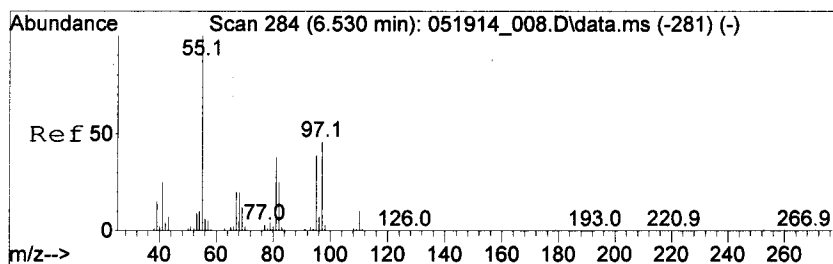
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_009.D
 Acq On : 7 Jul 2014 6:39 pm
 Operator : (b) (7)(C)
 Sample : N405006-10EXT-DUP1
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 9 Sample Multiplier: 1

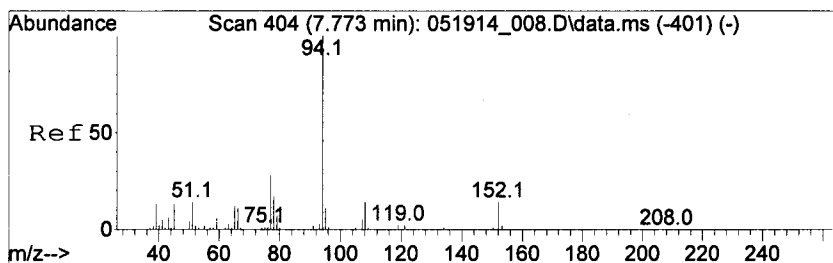
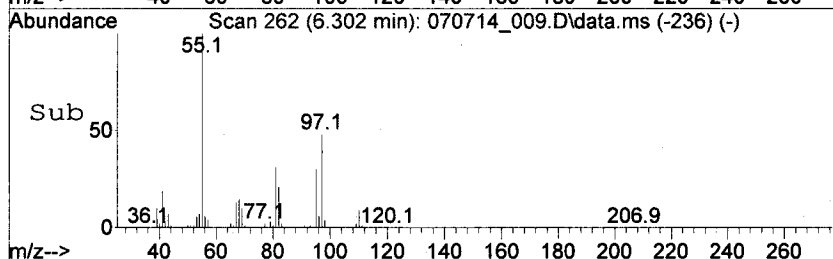
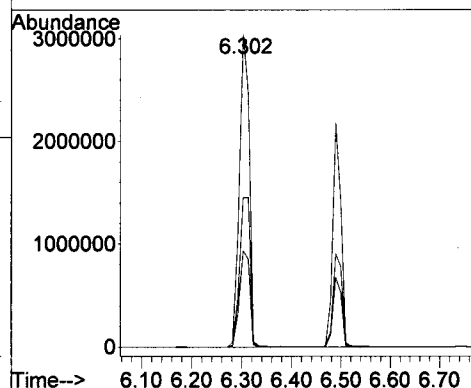
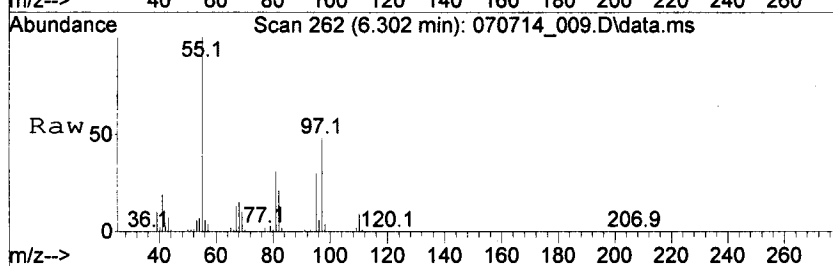
Quant Time: Aug 06 14:56:38 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration





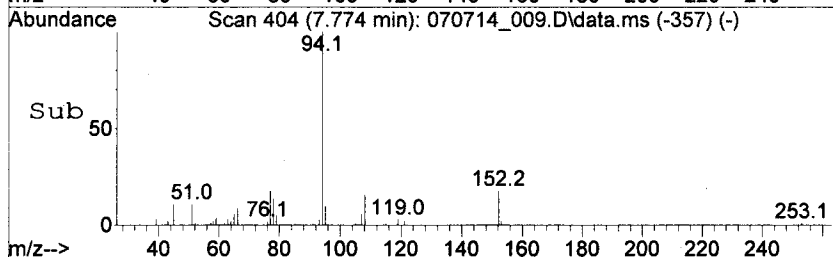
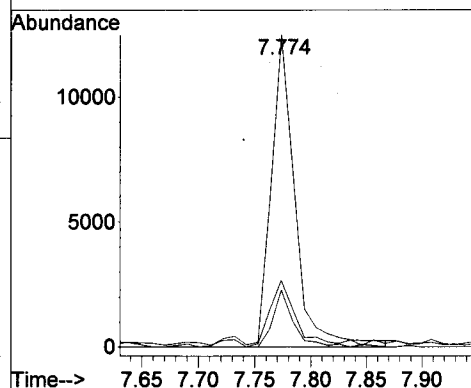
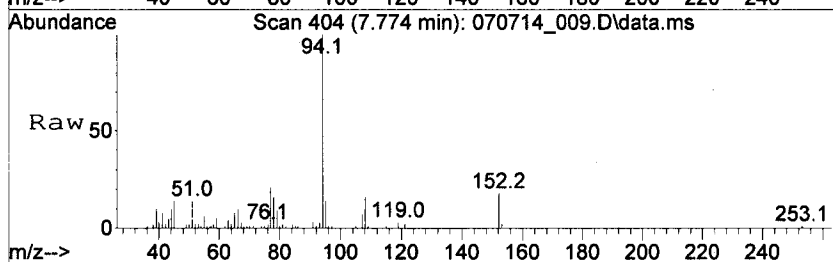
#2
MCHM (2 peaks combined)
Concen: 534.03 ug/mL m
RT: 6.302 min Scan# 262
Delta R.T. -0.228 min
Lab File: 070714_009.D
Acq: 7 Jul 2014 6:39 pm

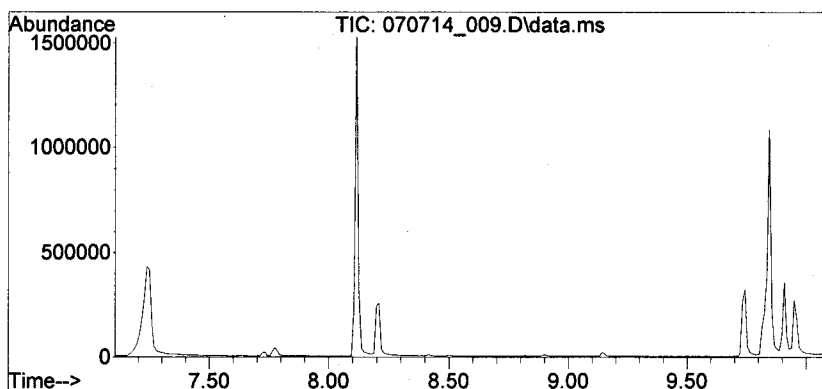
Tgt Ion	Ratio	Lower	Upper
55	100		
97	17.3	31.5	47.3#
81	12.5	24.2	36.4#



#3
PPH
Concen: 18.42 ug/mL m
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 070714_009.D
Acq: 7 Jul 2014 6:39 pm

Tgt Ion	Ratio	Lower	Upper
94	100		
77	0.0	19.0	28.4#
152	0.0	14.9	22.3#

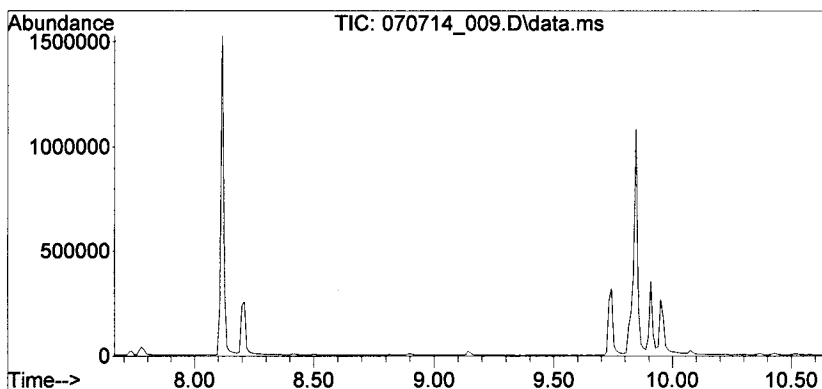
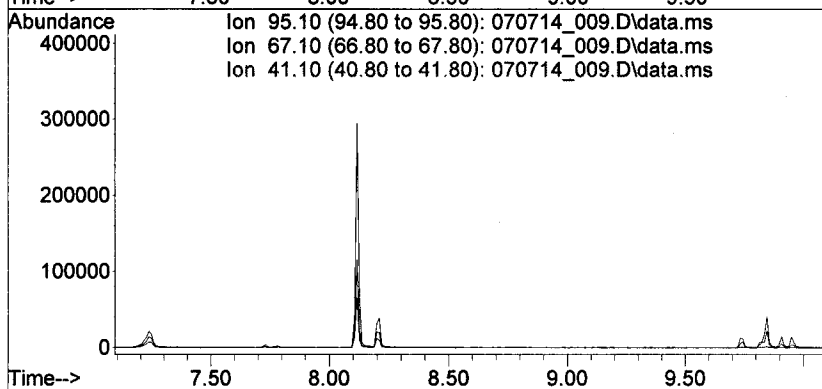




#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 070714_009.D
Acq: 7 Jul 2014 6:39 pm

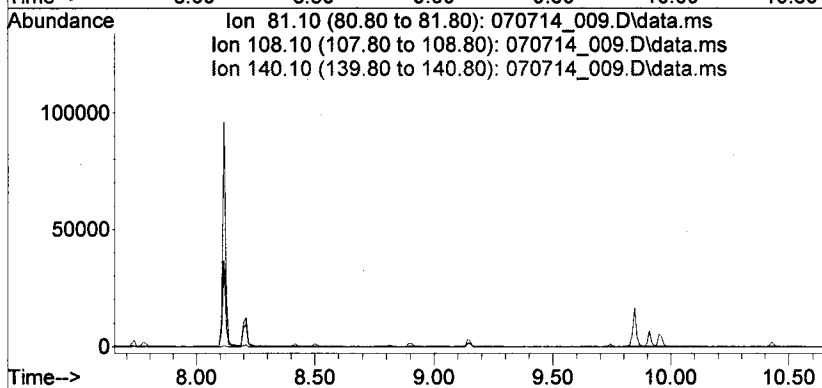
Tgt Ion	Exp Ratio
95	100
67	41.4
41	53.2

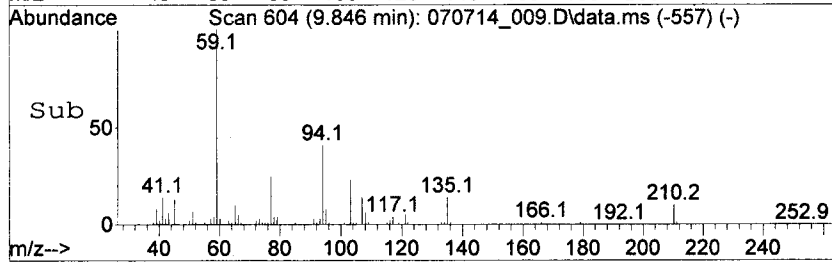
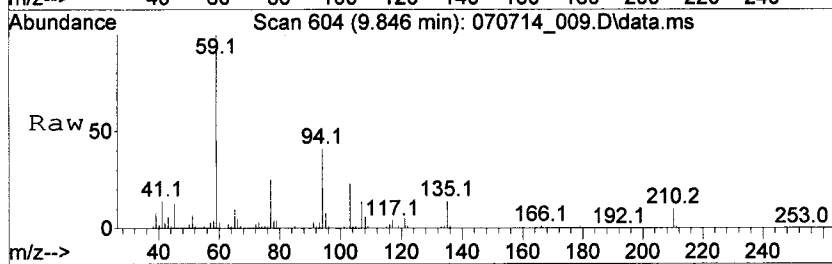
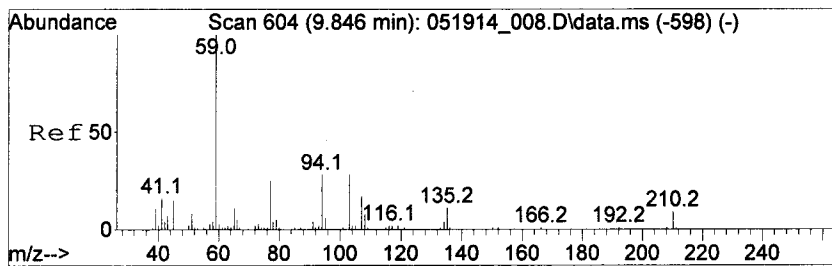


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 070714_009.D
Acq: 7 Jul 2014 6:39 pm

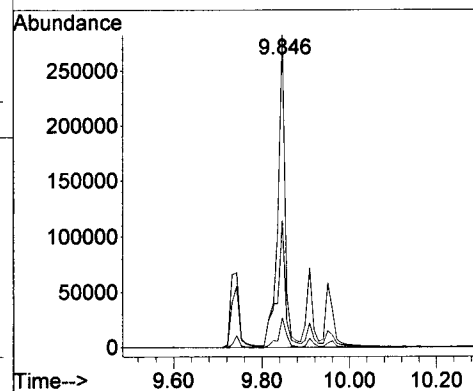
Tgt Ion	Exp Ratio
81	100
108	36.2
140	63.6





#6
di-PPH
Concen: 73.20 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 070714_009.D
Acq: 7 Jul 2014 6:39 pm

Tgt Ion:	59	94	210	Resp:	568717
Ion	Ratio	Lower	Upper		
59	100				
94	26.9	24.0	36.0		
210	5.8	7.2	10.8		



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_010.D
 Acq On : 7 Jul 2014 7:10 pm
 Operator : (b) (7)(C)
 Sample : N405006-10EXT-DUP2
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 14:57:41 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries (C)
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

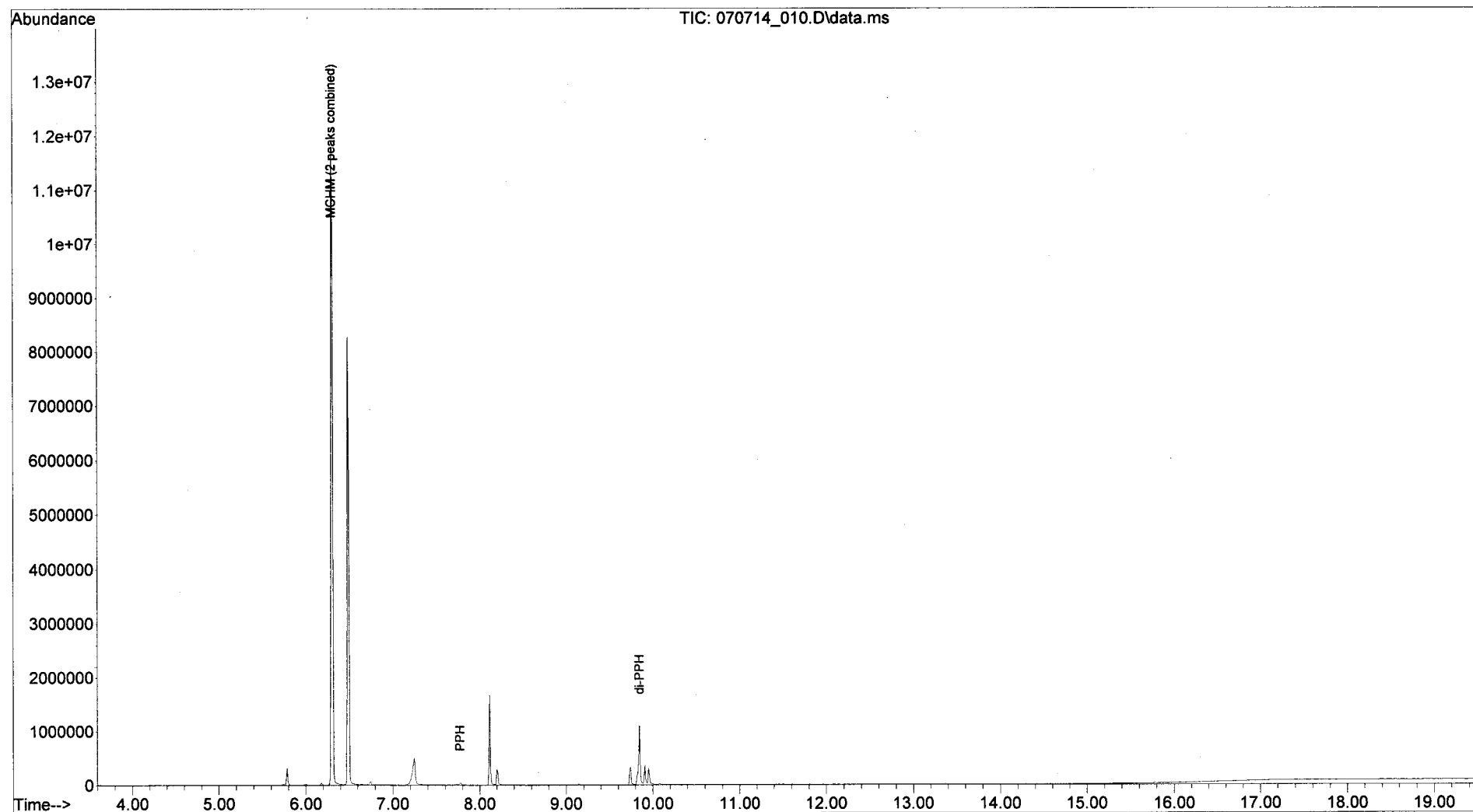
System Monitoring Compounds						
1) Cyclohexanol	0.000	57	0	0.00	ug/mL	
Target Compounds						
2) MCHM (2 peaks combined)	6.302	55	7136088m	560.60	ug/mL	Qvalue
3) PPH	7.774	94	21043	18.54	ug/mL#	55
4) 1,4-CHDM	0.000		0	N.D.	d	
5) DMCH-1,4-DC	0.000		0	N.D.		
6) di-PPH	9.846	59	594450m	75.05	ug/mL	

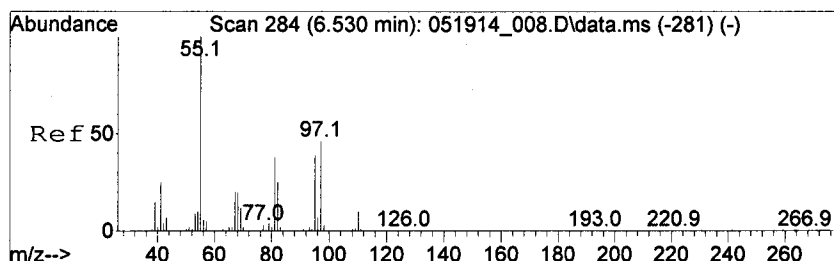
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_010.D
 Acq On : 7 Jul 2014 7:10 pm
 Operator : (b) (7)(C)
 Sample : N405006-10EXT-DUP2
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 10 Sample Multiplier: 1

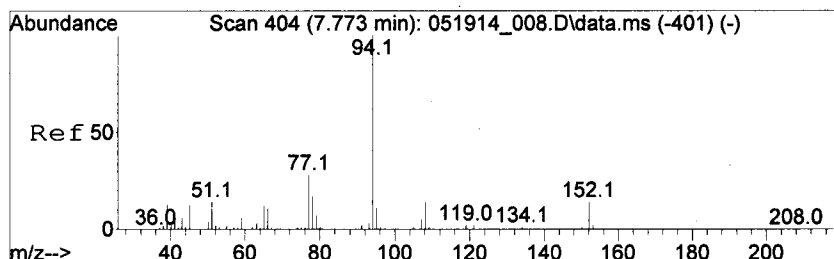
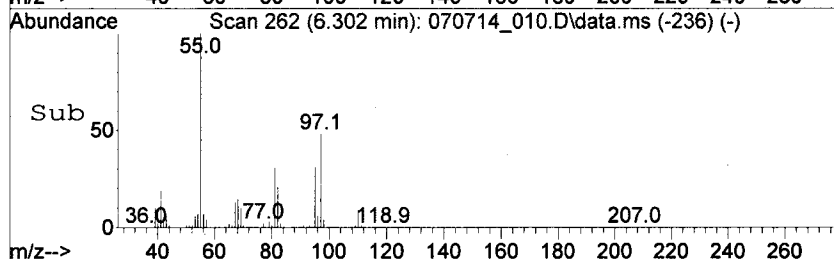
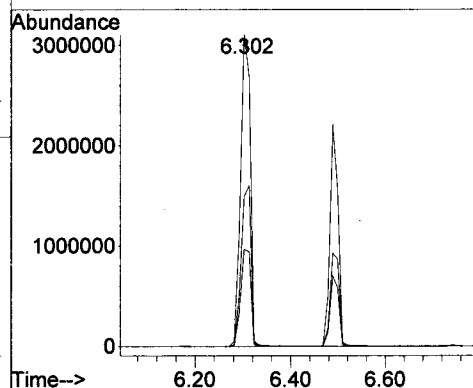
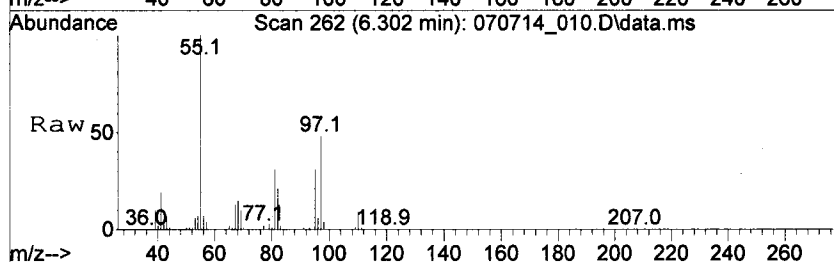
Quant Time: Aug 06 14:57:41 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration





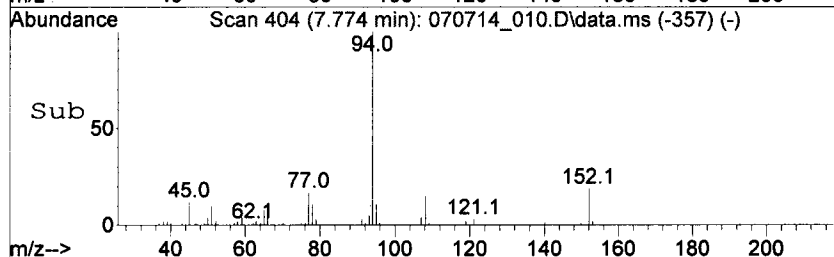
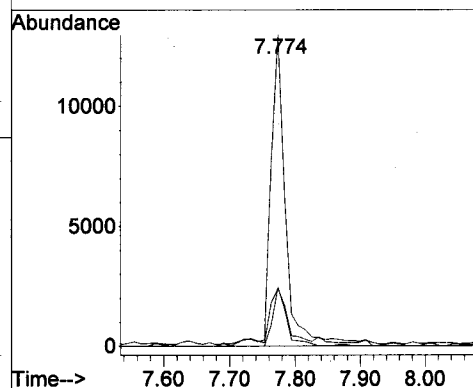
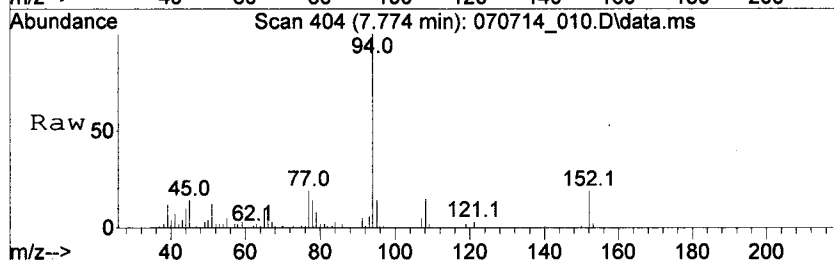
#2
MCHM (2 peaks combined)
Concen: 560.60 ug/mL m
RT: 6.302 min Scan# 262
Delta R.T. -0.228 min
Lab File: 070714_010.D
Acq: 7 Jul 2014 7:10 pm

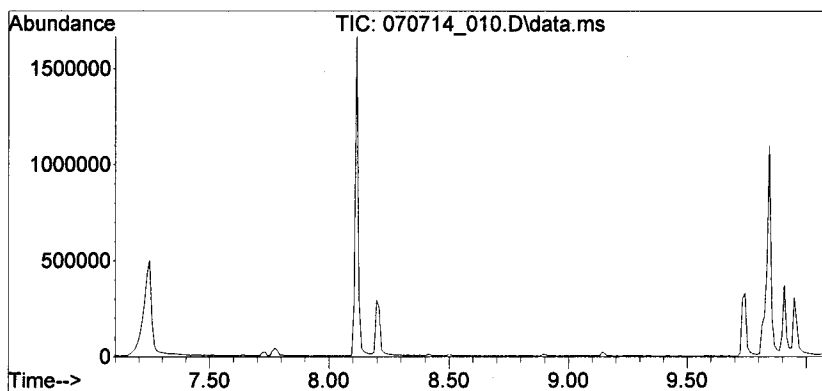
Tgt Ion	Ratio	Lower	Upper
55	100		
97	17.6	31.5	47.3#
81	12.7	24.2	36.4#



#3
PPH
Concen: 18.54 ug/mL
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 070714_010.D
Acq: 7 Jul 2014 7:10 pm

Tgt Ion	Ratio	Lower	Upper
94	100		
77	0.0	19.0	28.4#
152	0.0	14.9	22.3#

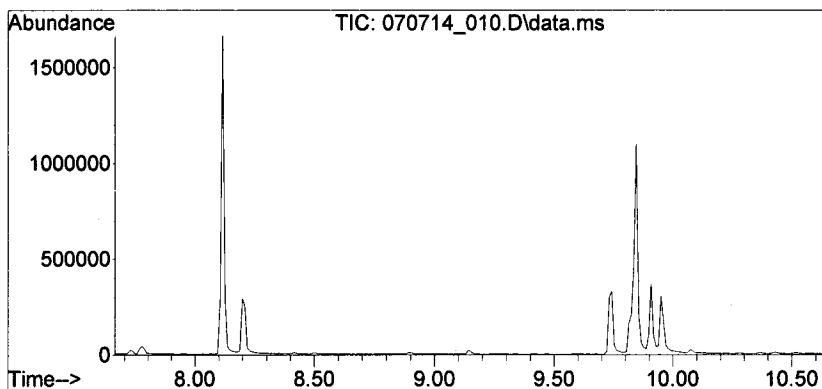
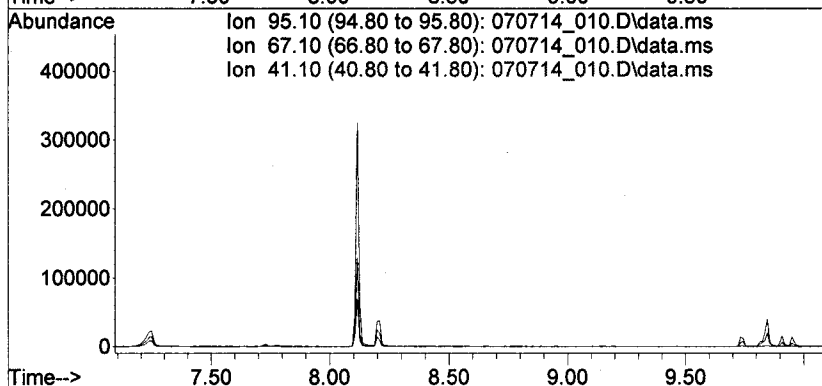




#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 070714_010.D
Acq: 7 Jul 2014 7:10 pm

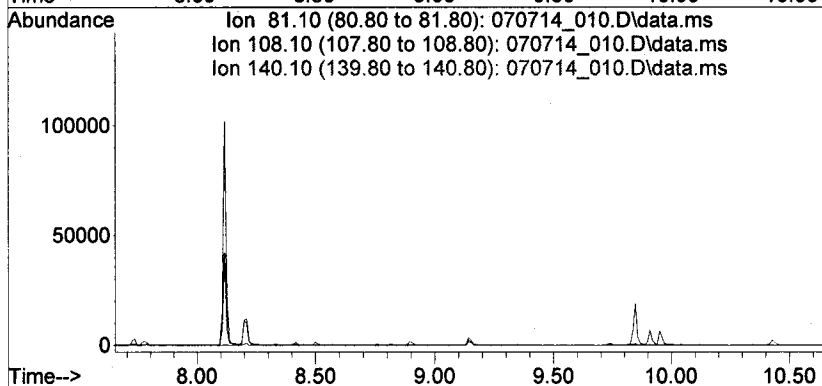
Tgt Ion	Exp Ratio
95	100
67	41.4
41	53.2

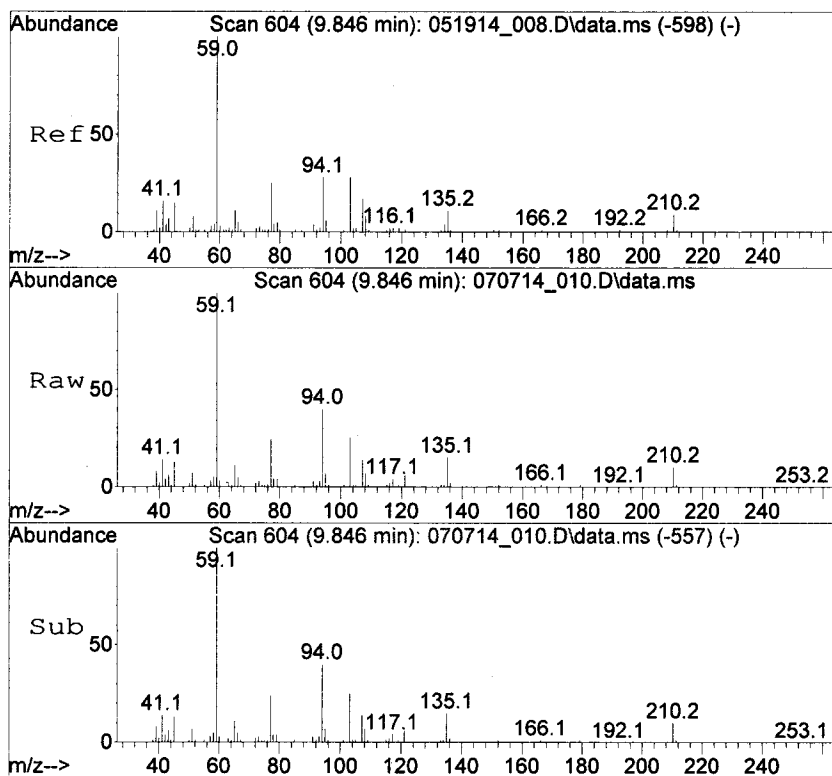


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 070714_010.D
Acq: 7 Jul 2014 7:10 pm

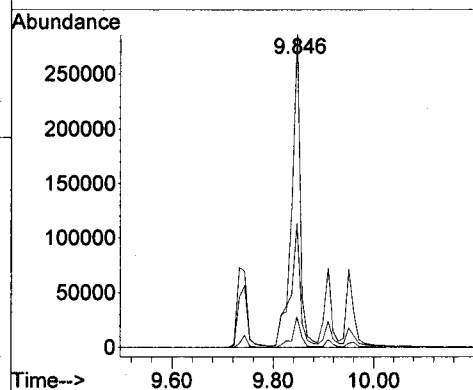
Tgt Ion	Exp Ratio
81	100
108	36.2
140	63.6





#6
di-PPH
Concen: 75.05 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 070714_010.D
Acq: 7 Jul 2014 7:10 pm

Tgt Ion:	59	Resp:	594450
Ion Ratio	Lower	Upper	
59	100		
94	27.7	24.0	36.0
210	5.5	7.2	10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_011.D
 Acq On : 7 Jul 2014 7:40 pm
 Operator : (b) (7)(C)
 Sample : N405006-10EXT-MS1
 Misc : 20 uL in 980 MeCl2 / 50ug/mL spike
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 06 14:59:00 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries (C)
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

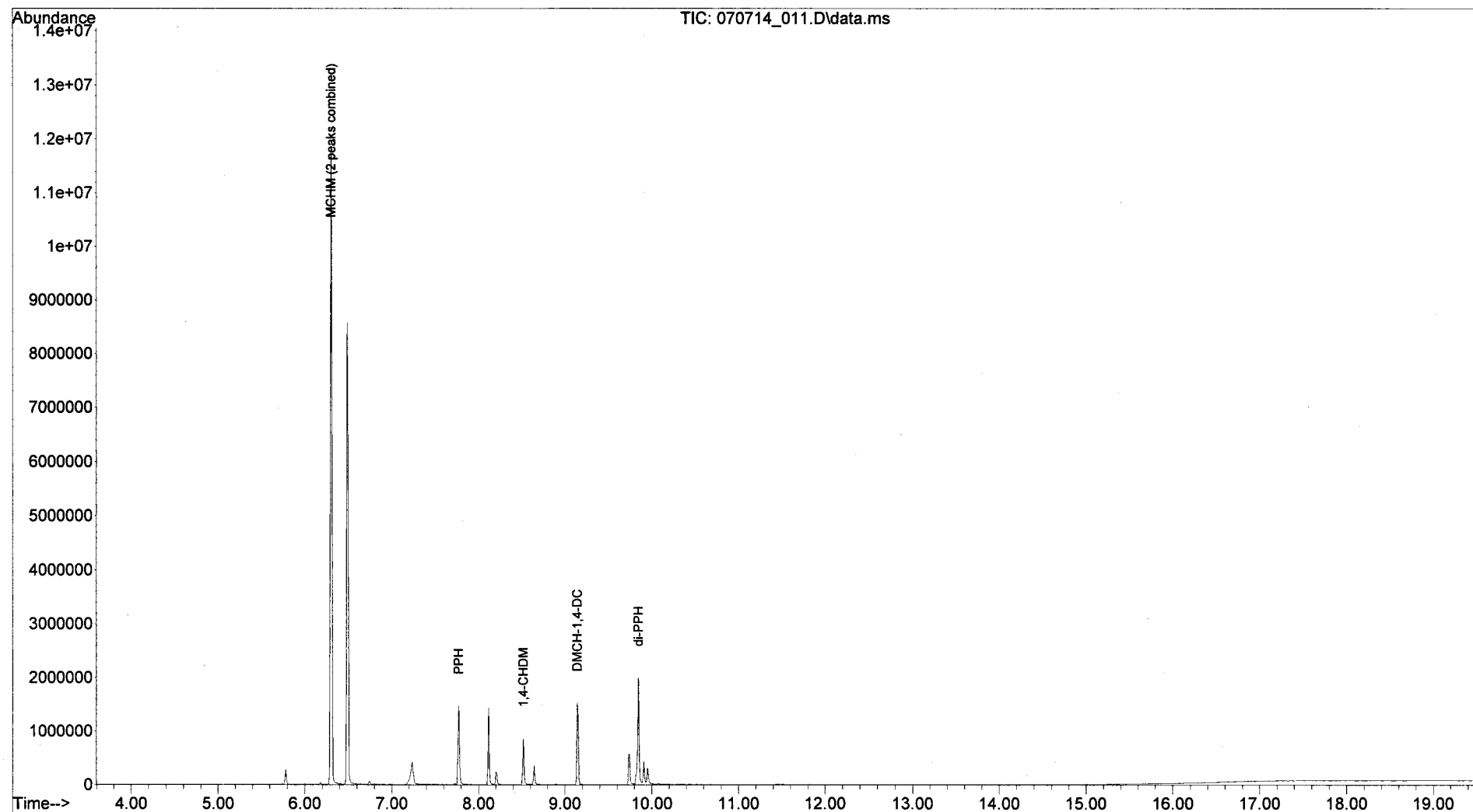
System Monitoring Compounds						
1) Cyclohexanol	0.000	57	0	0.00	ug/mL	
Target Compounds						
2) MCHM (2 peaks combined)	6.302	55	6492003m	511.42	ug/mL	
3) PPH	7.774	94	593460	53.57	ug/mL	99
4) 1,4-CHDM	8.520	95	300574m	62.48	ug/mL	
5) DMCH-1,4-DC	9.141	81	331166	49.90	ug/mL#	93
6) di-PPH	9.846	59	972979m	102.26	ug/mL	

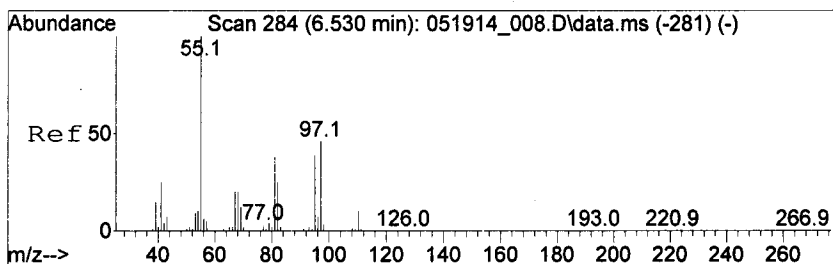
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DAT (b) (7)(C) RP1581\
Data File : 070714_011.D
Acq On : 7 Jul 2014 7:40 pm
Operator : (b) (7)(C)
Sample : N405006-10EXT-MS1
Misc : 20 uL in 980 MeCl2 / 50ug/mL spike
ALS Vial : 11 Sample Multiplier: 1

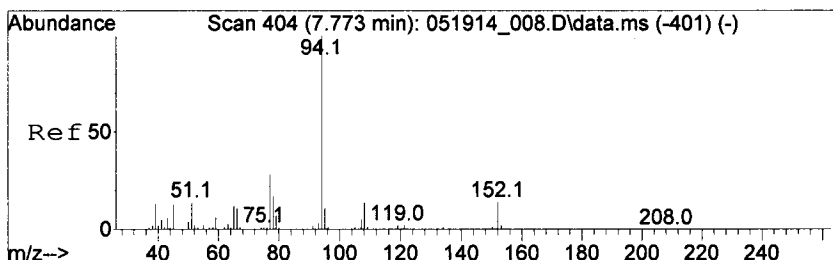
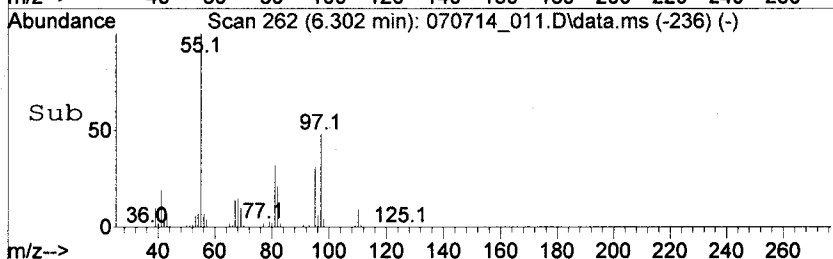
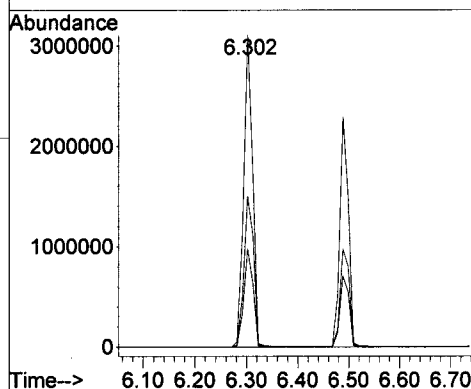
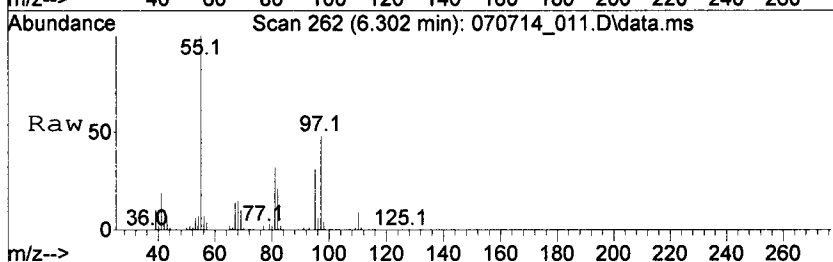
Quant Time: Aug 06 14:59:00 2014
Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
Quant Title : Freedom Industries (C)
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration





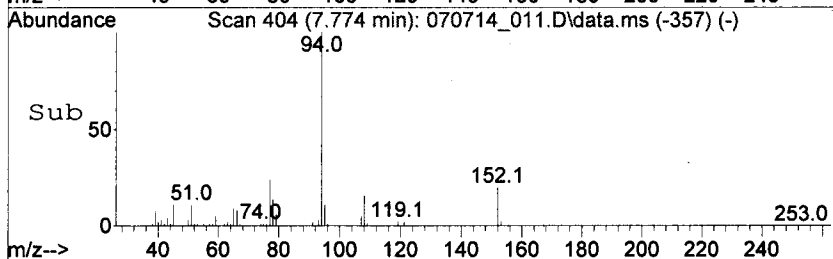
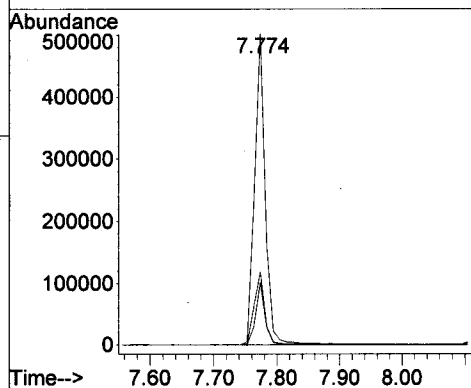
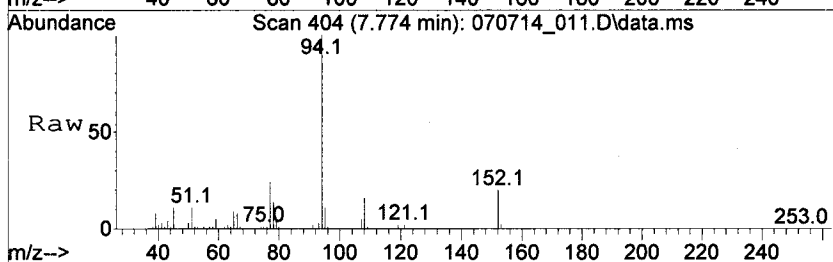
#2
MCHM (2 peaks combined)
Concen: 511.42 ug/mL m
RT: 6.302 min Scan# 262
Delta R.T. -0.228 min
Lab File: 070714_011.D
Acq: 7 Jul 2014 7:40 pm

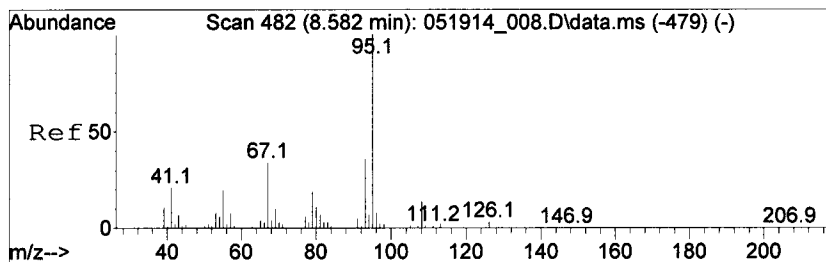
Tgt Ion: 55	Resp: 6492003
Ion Ratio	Lower Upper
55	100
97	19.2 31.5 47.3#
81	13.8 24.2 36.4#



#3
PPH
Concen: 53.57 ug/mL
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 070714_011.D
Acq: 7 Jul 2014 7:40 pm

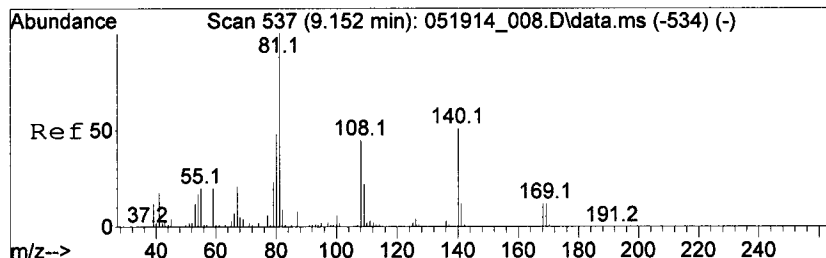
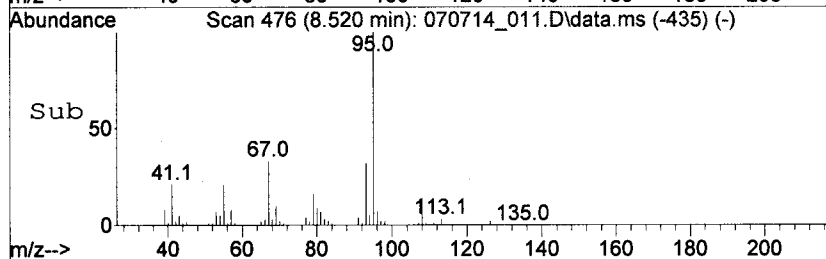
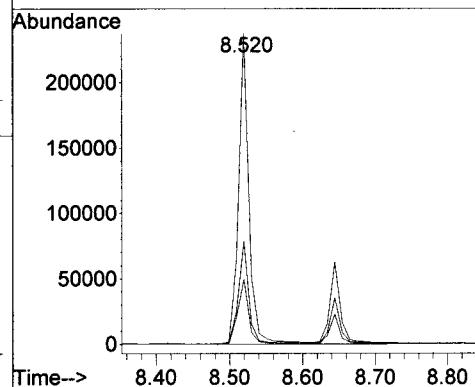
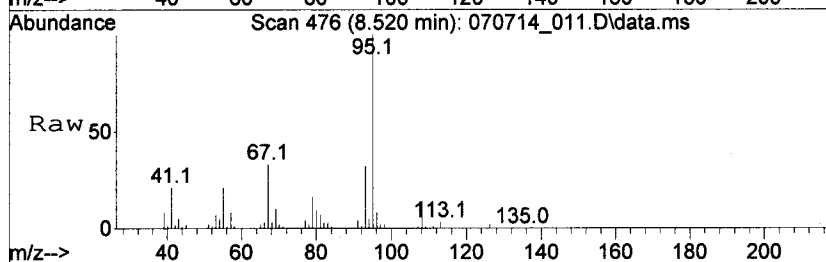
Tgt Ion: 94	Resp: 593460
Ion Ratio	Lower Upper
94	100
77	23.5 19.0 28.4
152	17.6 14.9 22.3





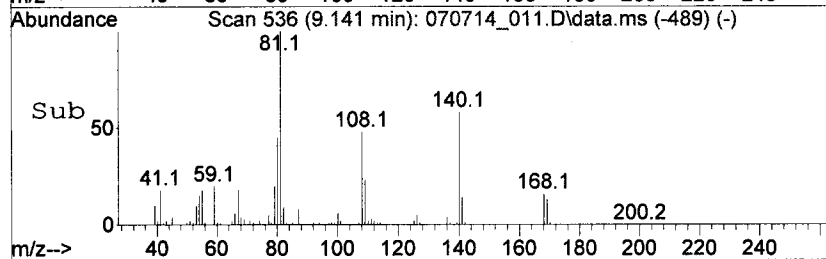
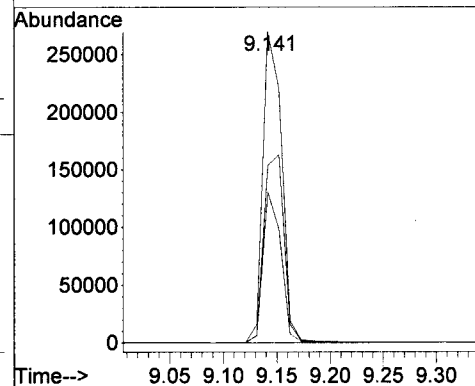
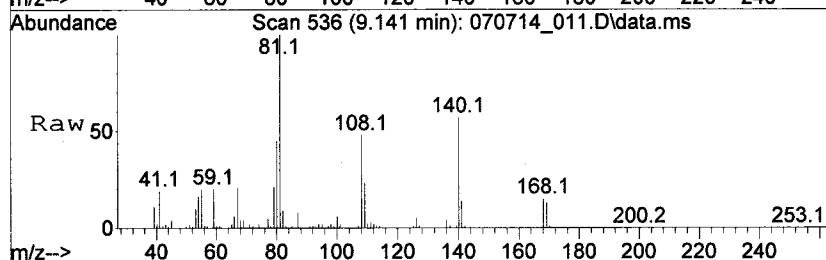
#4
1,4-CHDM
Concen: 62.48 ug/mL m
RT: 8.520 min Scan# 476
Delta R.T. -0.072 min
Lab File: 070714_011.D
Acq: 7 Jul 2014 7:40 pm

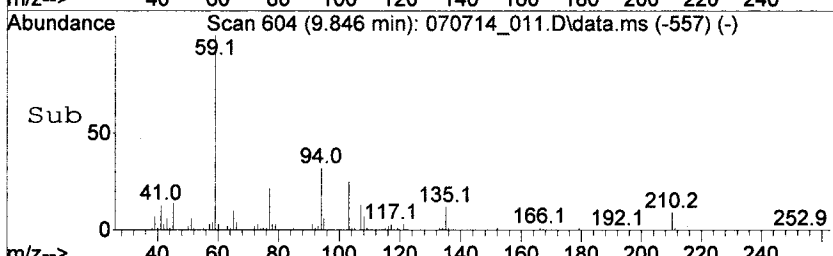
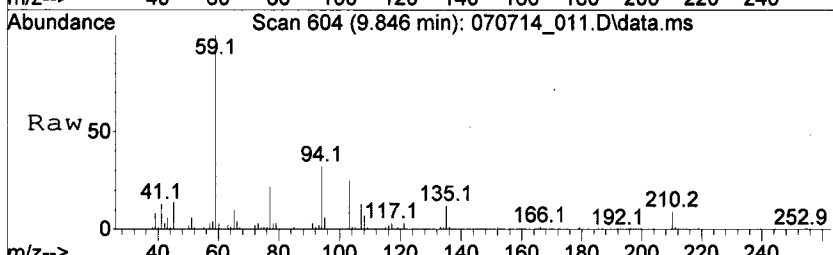
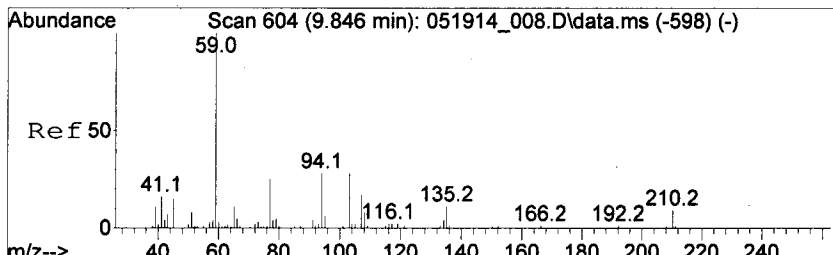
Tgt Ion	Ratio	Lower	Upper
95	100		
67	12.2	33.1	49.7#
41	7.5	42.6	63.8#



#5
DMCH-1,4-DC
Concen: 49.90 ug/mL
RT: 9.141 min Scan# 536
Delta R.T. -0.011 min
Lab File: 070714_011.D
Acq: 7 Jul 2014 7:40 pm

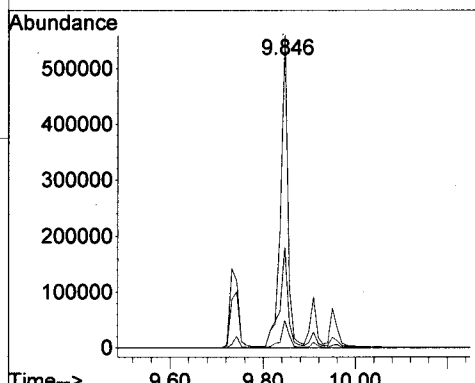
Tgt Ion	Ratio	Lower	Upper
81	100		
108	46.1	29.0	43.4#
140	64.4	50.9	76.3





#6
di-PPH
Concen: 102.26 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 070714_011.D
Acq: 7 Jul 2014 7:40 pm

Tgt Ion: 59	Resp: 972979
Ion Ratio Lower Upper	
59 100	
94 24.7	24.0 36.0
210 6.0	7.2 10.8#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 070714_012.D
Acq On : 7 Jul 2014 8:11 pm
Operator : (b) (7)
Sample : N405006-12EXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 15:00:24 2014
Quant Method : C:\msdchem\1\METHODS (b) (7) RP1581_B.M
Quant Title : Freedom Industries (C)
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

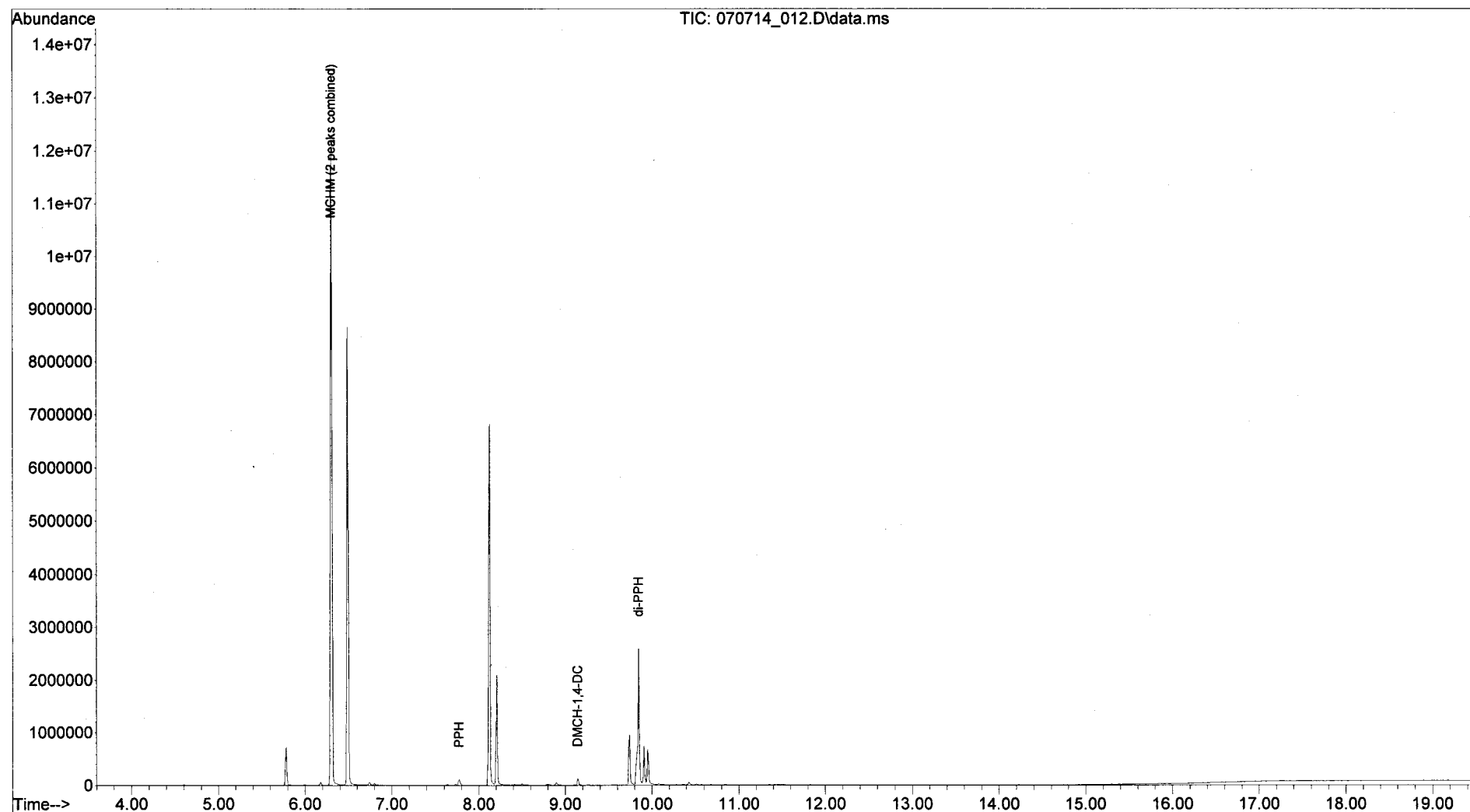
System Monitoring Compounds						
1) Cyclohexanol	0.000	57	0	0.00	ug/mL	
Target Compounds						
2) MCHM (2 peaks combined)	6.302	55	6566454m	517.10	ug/mL	Qvalue
3) PPH	7.774	94	58516m	20.84	ug/mL	
4) 1,4-CHDM	0.000		0	N.D.	d	
5) DMCH-1,4-DC	9.141	81	27387m	14.72	ug/mL	
6) di-PPH	9.846	59	1379198m	131.46	ug/mL	

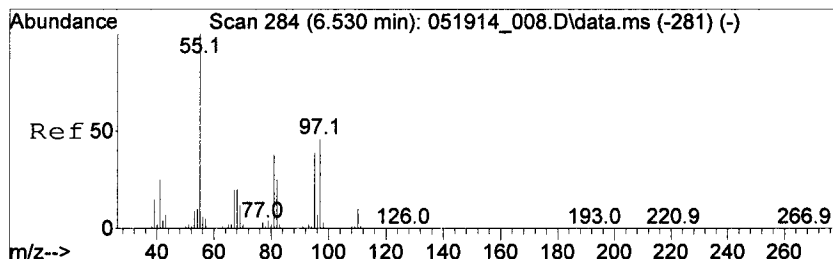
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_012.D
 Acq On : 7 Jul 2014 8:11 pm
 Operator : (b) (7)(C)
 Sample : N405006-12EXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 12 Sample Multiplier: 1

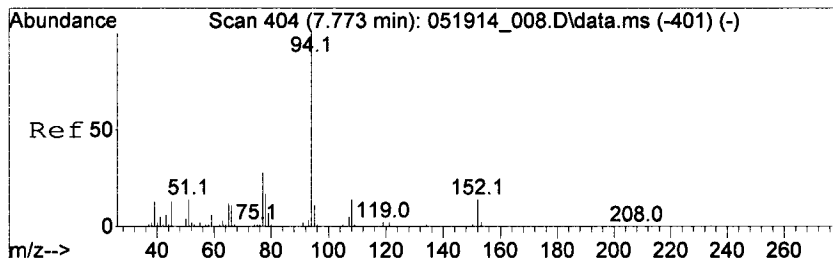
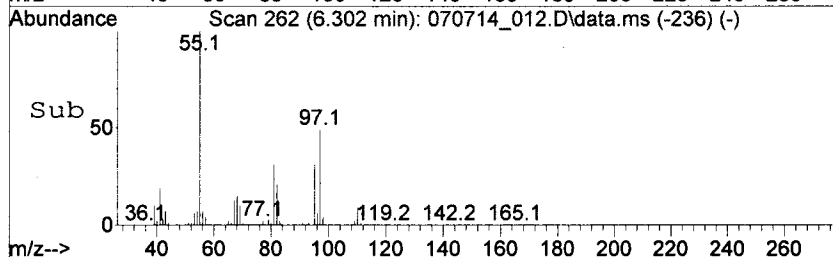
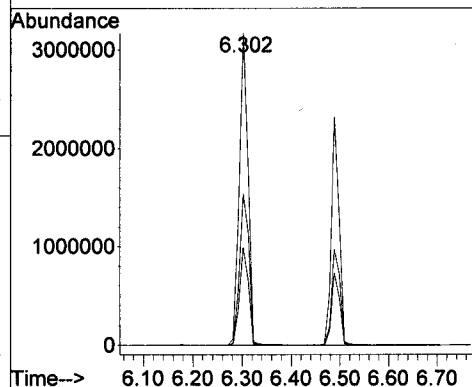
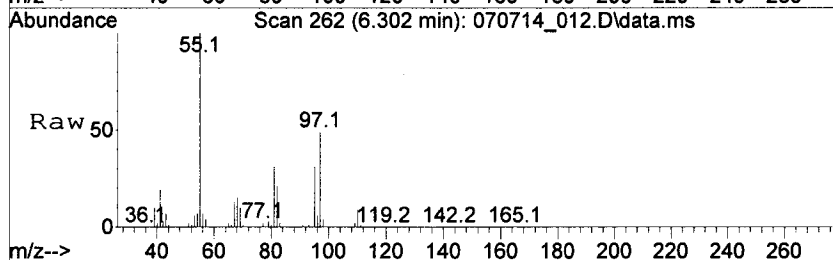
Quant Time: Aug 06 15:00:24 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration





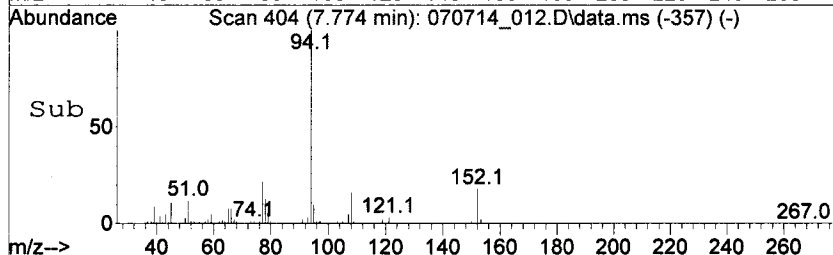
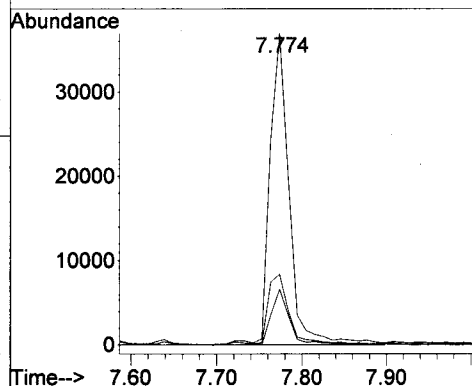
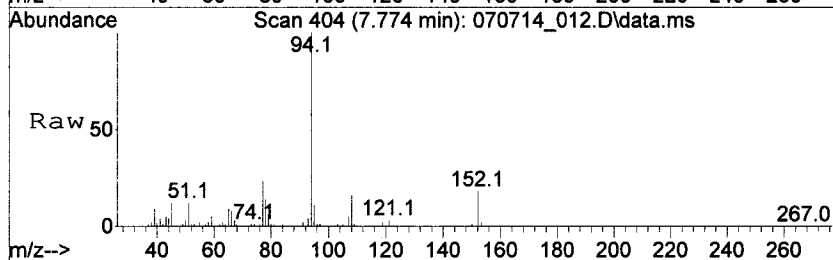
#2
MCHM (2 peaks combined)
Concen: 517.10 ug/mL m
RT: 6.302 min Scan# 262
Delta R.T. -0.228 min
Lab File: 070714_012.D
Acq: 7 Jul 2014 8:11 pm

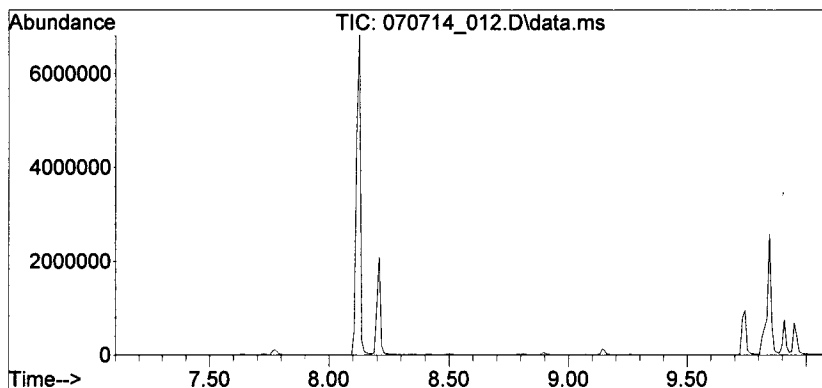
Tgt Ion	Ratio	Lower	Upper
55	100		
97	18.2	31.5	47.3#
81	13.2	24.2	36.4#



#3
PPH
Concen: 20.84 ug/mL m
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 070714_012.D
Acq: 7 Jul 2014 8:11 pm

Tgt Ion	Ratio	Lower	Upper
94	100		
77	24.8	19.0	28.4
152	16.5	14.9	22.3

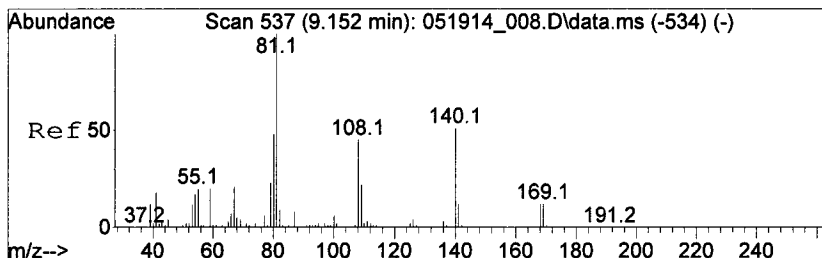
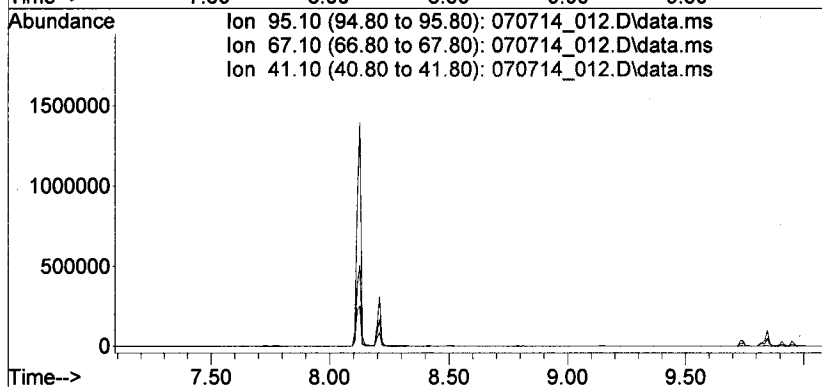




#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

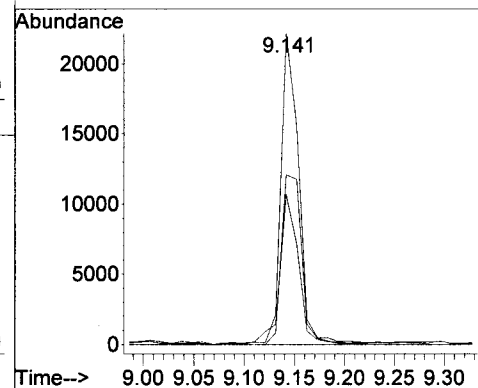
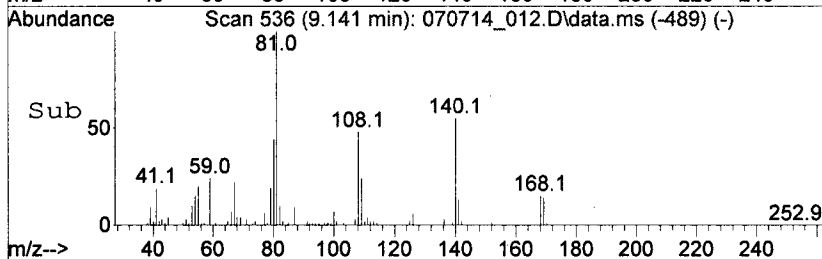
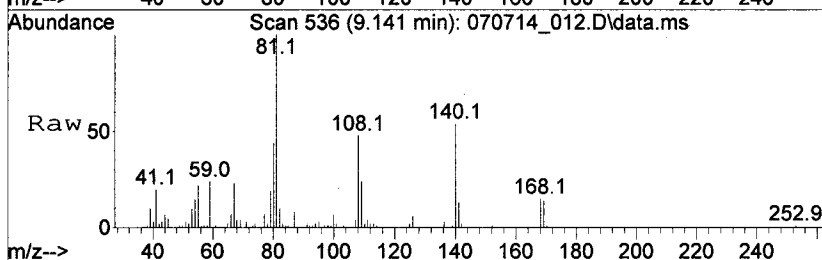
Lab File: 070714_012.D
Acq: 7 Jul 2014 8:11 pm

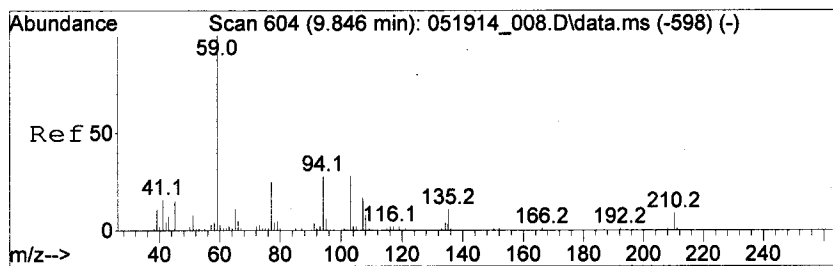
Tgt Ion: 95
Sig Exp Ratio
95 100
67 41.4
41 53.2



#5
DMCH-1,4-DC
Concen: 14.72 ug/mL m
RT: 9.141 min Scan# 536
Delta R.T. -0.011 min
Lab File: 070714_012.D
Acq: 7 Jul 2014 8:11 pm

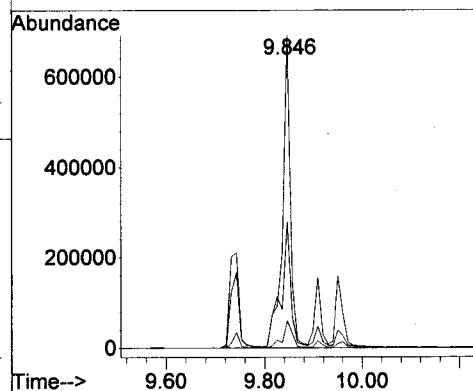
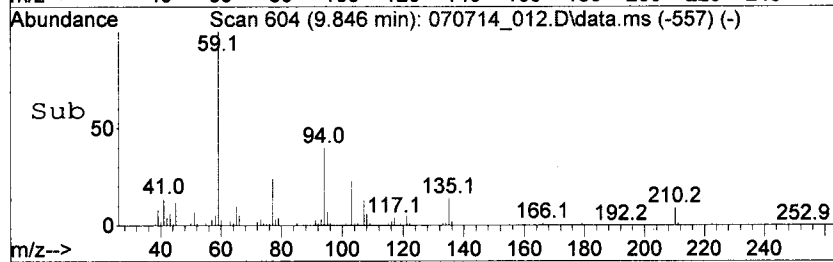
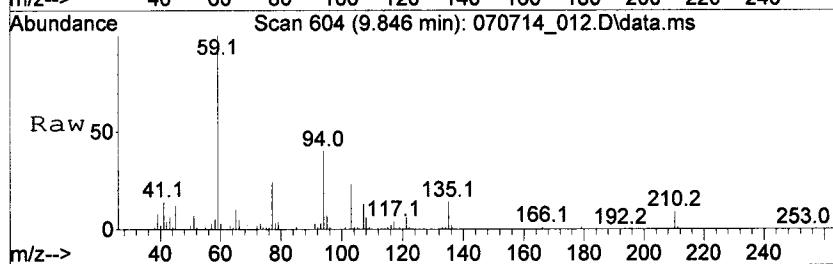
Tgt Ion: 81 Resp: 27387
Ion Ratio Lower Upper
81 100
108 50.5 29.0 43.4#
140 61.2 50.9 76.3





#6
 di-PPH
 Concen: 131.46 ug/mL m
 RT: 9.846 min Scan# 604
 Delta R.T. -0.010 min
 Lab File: 070714_012.D
 Acq: 7 Jul 2014 8:11 pm

Tgt Ion: 59 Resp: 1379198
 Ion Ratio Lower Upper
 59 100
 94 29.0 24.0 36.0
 210 5.7 7.2 10.8#



Library Search Report

Data Path : C:\msdchem\1\DATA\RP1581\
Data File : 070714_012.D
Acq On : Jul 2014 8:11 pm
Operator :
Sample : N405006-12EXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 12 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	5.784	1.97	C:\Database\NIST05a.L Cyclohexanemethanol	7281	000100-49-2	91
			Cyclohexanemethanol	7280	000100-49-2	90
			Cyclohexanemethanol	7279	000100-49-2	78
2	6.178	0.14	C:\Database\NIST05a.L 3-Aminopyridine	2502	000462-08-8	38
			3-Aminopyridine	2503	000462-08-8	38
			7-Oxabicyclo[4.3.0]nonane, cis-	11091	013149-01-4	38
3	6.302	35.18	C:\Database\NIST05a.L Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	59
			Cycloheptanemethanol	12094	004448-75-3	50
4	6.489	23.32	C:\Database\NIST05a.L Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Cycloheptanemethanol	12097	004448-75-3	72
			Cycloheptanemethanol	12094	004448-75-3	72
5	6.748	0.15	C:\Database\NIST05a.L Cyclohexanecarboxylic acid, 4-meth	27897	051181-40-9	59
			yl-, methyl ester			
			2-Cyclohexen-1-one, 4,4-dimethyl-	10222	001073-13-8	22
			2-Cyclohexen-1-one, 4,4-dimethyl-	10223	001073-13-8	22
6	6.799	0.07	C:\Database\NIST05a.L 3-Oxocyclohexanecarboxylic acid, m	27626	013148-83-9	46
			ethyl ester			
			Hexanoic acid, 2-methyl-4-methylen	27894	1000152-05-4	43
			e-, methyl ester			
			Cycloheptanemethanol	12097	004448-75-3	35
7	7.639	0.07	C:\Database\NIST05a.L 1-Methoxymethoxy-hexa-2,4-diene	19023	1000185-99-4	22
			Cyclohexanone, 4-ethenyl-	10172	001740-64-3	20
			1,5-Hexadiene, 2,5-dimethyl-	5838	000627-58-7	18
8	7.732	0.07	C:\Database\NIST05a.L 1,4-Cyclohexanedimethanol	20107	000105-08-8	50
			Cyclohexane, 1,4-bis(ethoxymethyl)	57116	054889-63-3	50
			1-Hydroxymethyl-2-methyl-1-cyclohe	11127	029474-11-1	40
			xene			
9	7.774	0.44	C:\Database\NIST05a.L 1-Propanol, 3-phenoxy-	24888	006180-61-6	91
			1-Phenoxypropan-2-ol	24877	000770-35-4	87
			1-Propanol, 2-phenoxy-	24889	004169-04-4	64
10	8.126	18.32	C:\Database\NIST05a.L 1-Hydroxymethyl-2-methyl-1-cyclohe	11127	029474-11-1	72
			xene			
			1,4-Cyclohexanedimethanol	20107	000105-08-8	53

Library Search Report

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 070714_012.D
Acq On 7 Jul 2014 8:11 pm
Operator (b) (7)(C)
Sample : N405006-12EXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 12 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			1,4-Cyclohexanedimethanol	20108	000105-08-8	50
11	8.209	5.10	C:\Database\NIST05a.L 1-Hydroxymethyl-2-methyl-1-cyclohexene	11127	029474-11-1	58
			1,4-Cyclohexanedimethanol	20102	000105-08-8	40
			Cyclopentene, 1-(2-propenyl)-	5327	037689-19-3	35
12	8.416	0.08	C:\Database\NIST05a.L 1-Hydroxymethyl-2-methyl-1-cyclohexene	11127	029474-11-1	70
			Cyclopentanecarboxylic acid, 3-methyl-4-methylene-, methyl ester	26604	062185-62-0	50
			Octahydrocyclobuta[c]pentalene	15236	1000190-86-0	46
13	8.499	0.10	C:\Database\NIST05a.L Cyclohexene, 3-(2-propenyl)-	9716	015232-95-8	38
			Cyclohexene, 3-(2-propenyl)-	9714	015232-95-8	35
			1,5-Hexadiene, 2-methyl-	2839	004049-81-4	35
14	8.810	0.12	C:\Database\NIST05a.L Pentane, 1-chloro-5-(methylenecyclopropyl)-	28879	1000158-49-0	43
			Bicyclo[3.3.1]nonan-9-ol	18060	015598-80-8	43
			1-Ethyl-5-methylcyclopentene	5833	097797-57-4	38
15	8.893	0.17	C:\Database\NIST05a.L Ethanol, 2-(4-methylphenoxy)-	24934	015149-10-7	74
			Phenol, 2-methyl-	5228	000095-48-7	70
			Acetic acid, 4-methylphenyl ester	23511	000140-39-6	59
16	9.141	0.38	C:\Database\NIST05a.L 1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56831	000094-60-0	91
			1,4-Cyclohexanedicarboxylic acid, dimethyl ester	56829	000094-60-0	78
			1-Norbornanecarboxylic acid, 7-oxo-, methyl ester	35540	090673-79-3	47
17	9.743	2.84	C:\Database\NIST05a.L Methane, isopropoxyphenoxy-	33181	000828-12-6	35
			Ethanol, 2-phenoxy-	16696	000122-99-6	27
			Propanoic acid, 2,2-dimethyl-, phenyl ester	41504	004920-92-7	27
18	9.846	7.37	C:\Database\NIST05a.L Methane, diethoxy-	4635	000462-95-3	43
			2-Propanol, 1-[1-methyl-2-(2-propoxy)ethoxy]-	39519	055956-25-7	38
			2-Propanol, 1,1'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis-	51685	001638-16-0	32
19	9.908	1.62	C:\Database\NIST05a.L Methane, diethoxy-	4635	000462-95-3	35
			1-Propanol, 2-(2-hydroxypropoxy)-	14627	000106-62-7	35

Library Search Report

Data Path : C:\msdchem\1\DATA\ (b) (7)(C) RP1581\
 Data File : 070714_012.D
 Acq On : 7 Jul 2014 8:11 pm
 Operator : (b) (7)(C)
 Sample : N405000-12EXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 12 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			Methane, diethoxy-	4636	000462-95-3	27
20	9.950	1.96	C:\Database\NIST05a.L			
			Methane, diethoxy-	4635	000462-95-3	43
			Dipropylene glycol	14606	025265-71-8	43
			1-Propanol, 2-(2-hydroxypropoxy)-	14627	000106-62-7	43
21	10.074	0.11	C:\Database\NIST05a.L			
			Diethyl Phthalate	72412	000084-66-2	95
			Diethyl Phthalate	72414	000084-66-2	91
			Phthalic acid, ethyl non-5-yn-3-yl ester	134584	1000315-18-0	50
22	10.427	0.16	C:\Database\NIST05a.L			
			1,7,7-Trimethylbicyclo[2.2.1]hept-5-en-2-one	22871	022516-10-5	53
			Phenol, 4-(2-aminoethyl)-	16173	000051-67-2	50
			Acetic acid, 4-methylphenyl ester	23512	000140-39-6	50
23	10.509	0.06	C:\Database\NIST05a.L			
			Pyrrole, 2-(4-methyl-5-cis-phenyl)-1,3-oxazolidin-2-yl)-	77252	1000142-74-7	22
			Phenol, 4-(2-propenyl)-	14802	000501-92-8	18
			Benzenamine, 2,5-dimethyl-	9289	000095-78-3	14
24	10.841	0.06	C:\Database\NIST05a.L			
			Cyclopentanecarbonitrile, 2-imino-	5213	002321-76-8	52
			Pyrazine, ethyl-	5153	013925-00-3	52
			1-Propanol, 3-(phenylmethoxy)-	33195	004799-68-2	38
25	11.421	0.09	C:\Database\NIST05a.L			
			Acetic acid, chloro-, 1,1-dimethyl ethyl ester	23176	000107-59-5	32
			Butanamide, 3-methyl-	3988	000541-46-8	32
			Butanamide, 3-methyl-	3995	000541-46-8	27
26	11.504	0.05	C:\Database\NIST05a.L			
			1-Benzoyl-2-piperonyl hydrazine	105308	1000256-61-5	27
			5,6-Dihydro-5-methyl-4H-1,3,5-dithiazine	14901	006302-94-9	16
			Pyridinium, 1-(carboxymethyl)-, hydroxide, inner salt	16130	024608-93-3	14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 070714_013.D
Acq On : 7 Jul 2014 8:42 pm
Operator : (b) (7)(C)
Sample : N405006-08EXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 15:01:08 2014
Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
Quant Title : Freedom Industries (C)
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

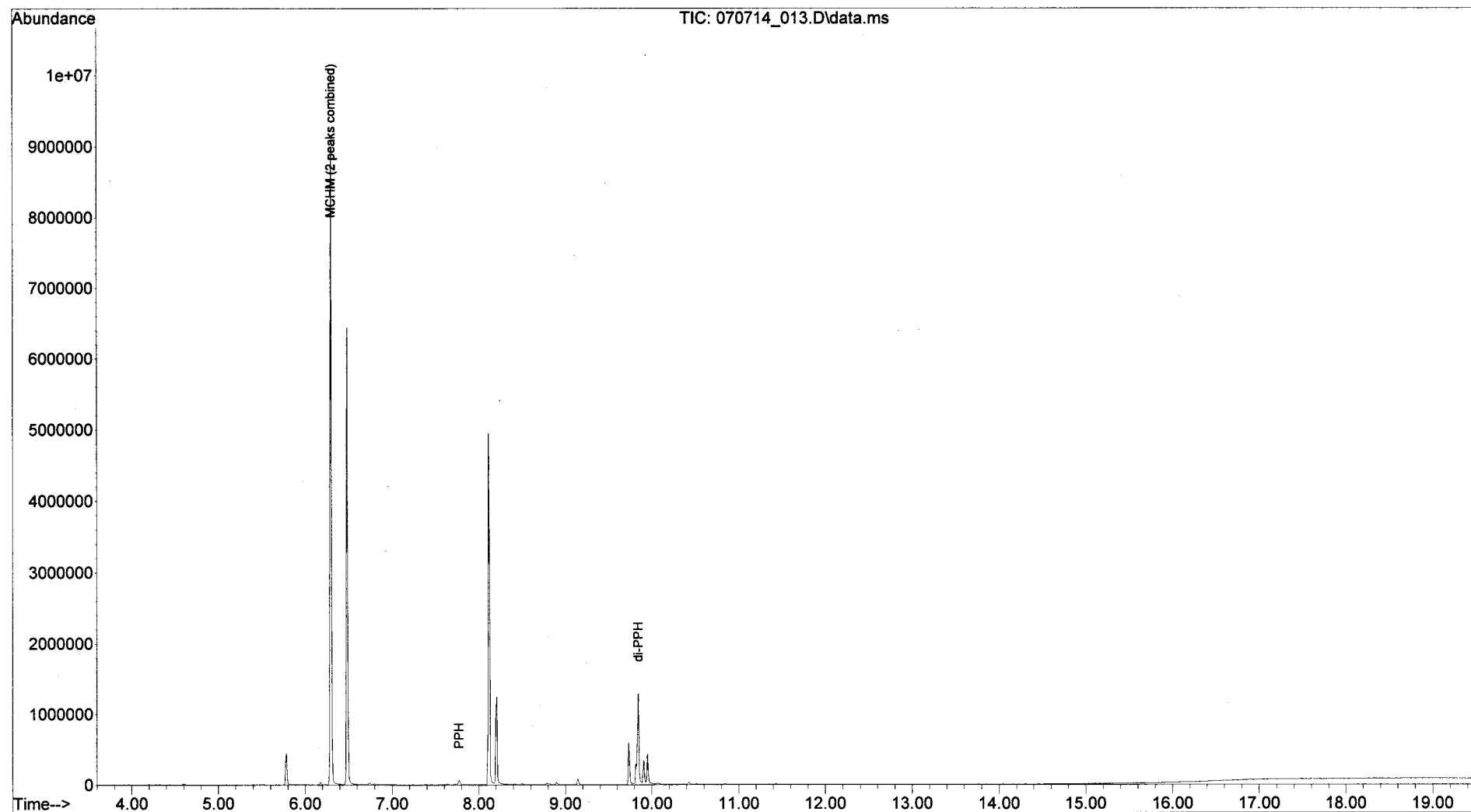
System Monitoring Compounds						
1) Cyclohexanol	0.000	57	0	0.00	ug/mL	
Target Compounds						
2) MCHM (2 peaks combined)	6.302	55	4033273m	323.69	ug/mL	Qvalue
3) PPH	7.774	94	33276m	19.29	ug/mL	
4) 1,4-CHDM	0.000		0	N.D.	d	
5) DMCH-1,4-DC	0.000		0	N.D.		
6) di-PPH	9.846	59	760560m	86.99	ug/mL	

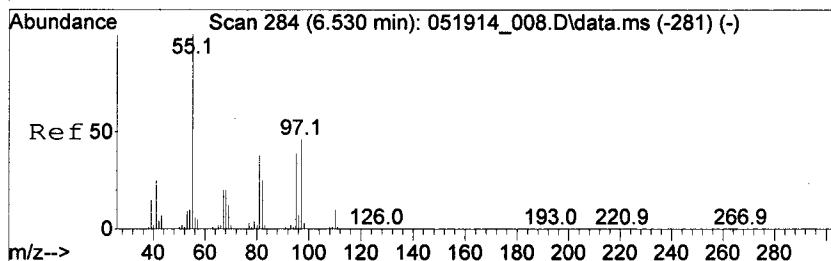
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_013.D
 Acq On : 7 Jul 2014 8:42 pm
 Operator : (b) (7)(C)
 Sample : N403006-08EXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 13 Sample Multiplier: 1

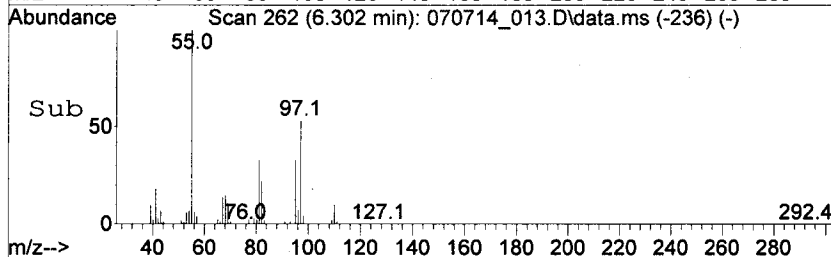
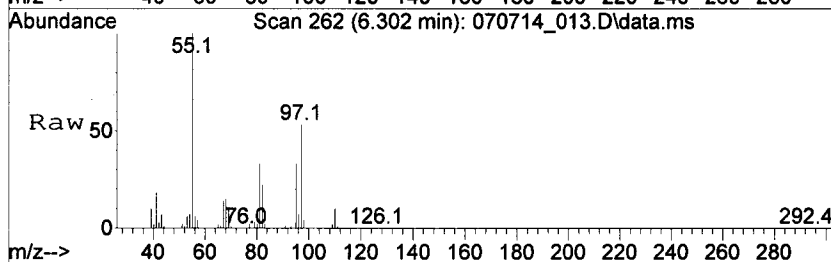
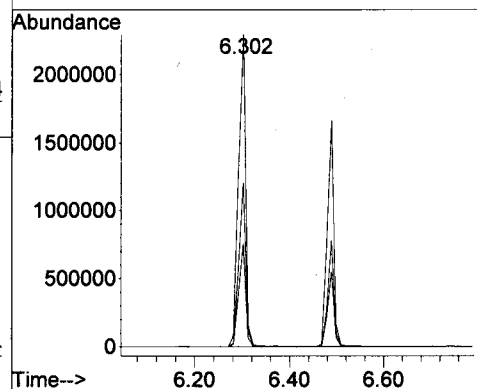
Quant Time: Aug 06 15:01:08 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration





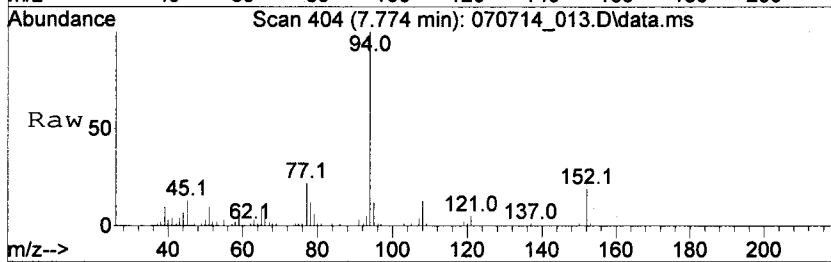
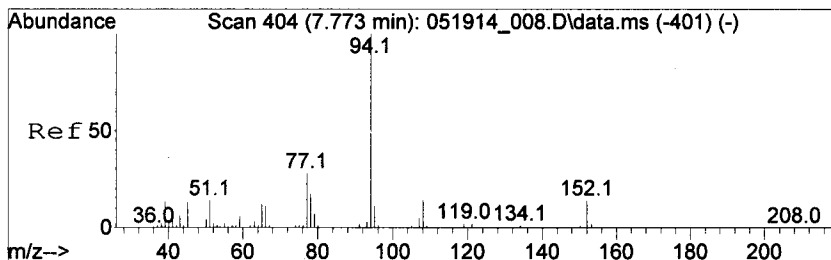
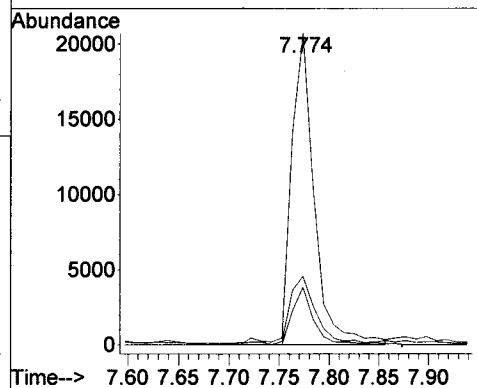
#2
MCHM (2 peaks combined)
Concen: 323.69 ug/mL m
RT: 6.302 min Scan# 262
Delta R.T. -0.228 min
Lab File: 070714_013.D
Acq: 7 Jul 2014 8:42 pm

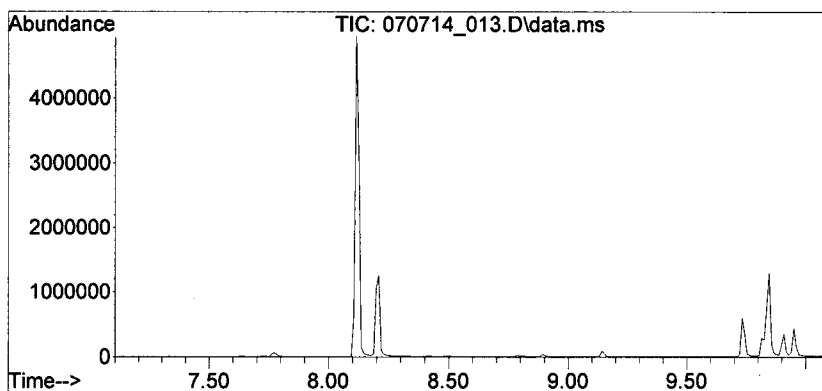
Tgt Ion	Ratio	Lower	Upper
55	100		
97	17.9	31.5	47.3#
81	13.1	24.2	36.4#



#3
PPH
Concen: 19.29 ug/mL m
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 070714_013.D
Acq: 7 Jul 2014 8:42 pm

Tgt Ion	Ratio	Lower	Upper
94	100		
77	25.1	19.0	28.4
152	17.0	14.9	22.3

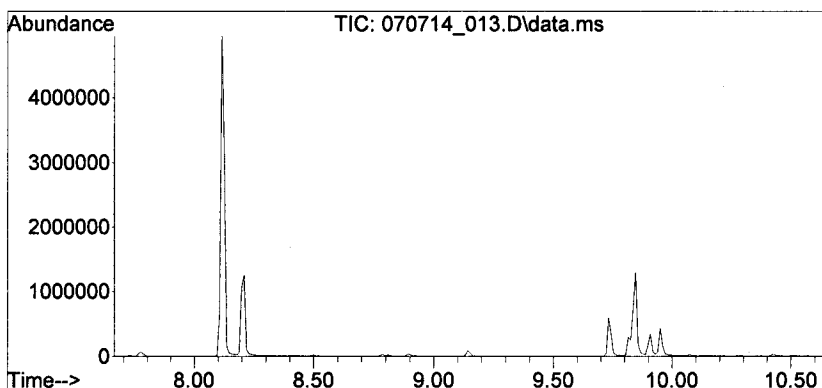
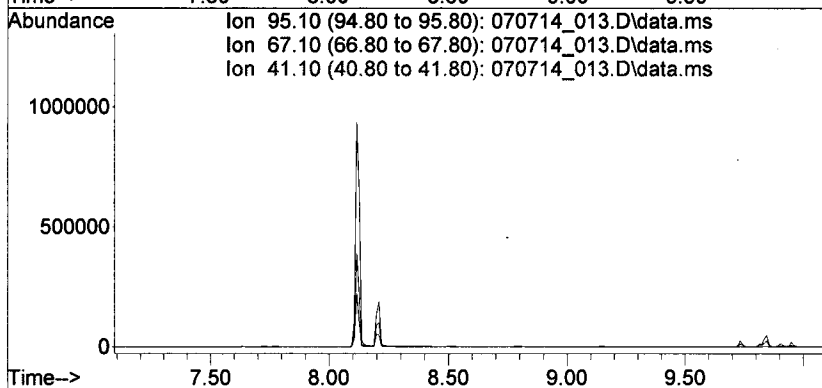




#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 070714_013.D
Acq: 7 Jul 2014 8:42 pm

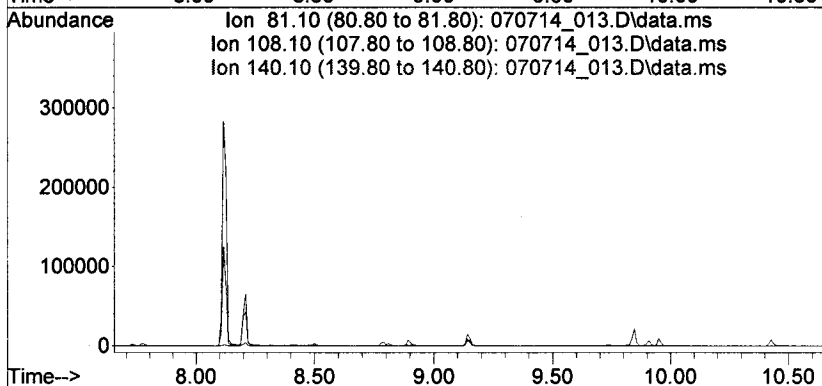
Tgt Ion	Exp Ratio
95	100
67	41.4
41	53.2

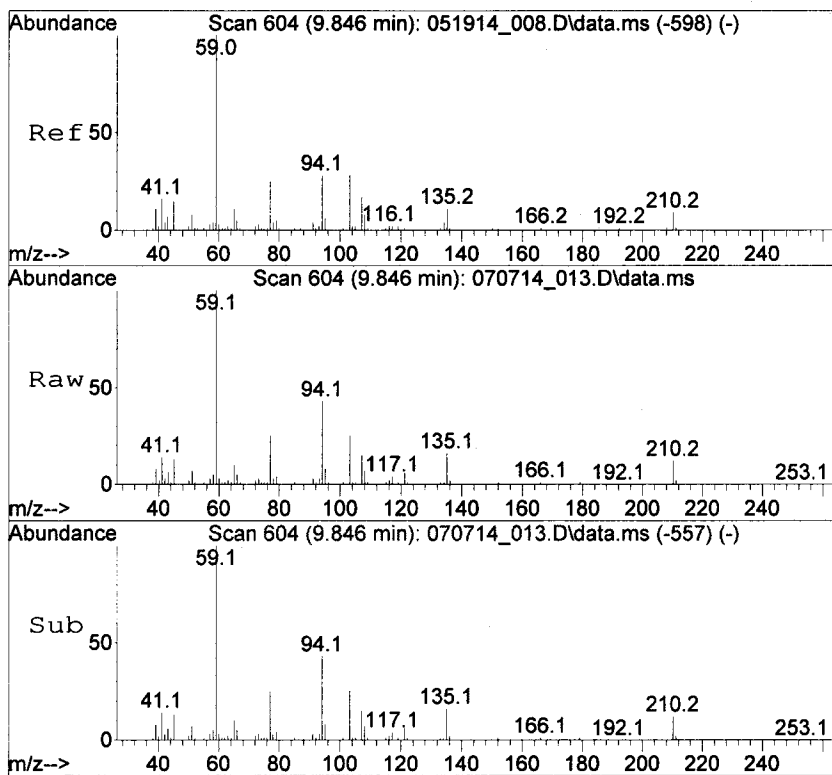


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 070714_013.D
Acq: 7 Jul 2014 8:42 pm

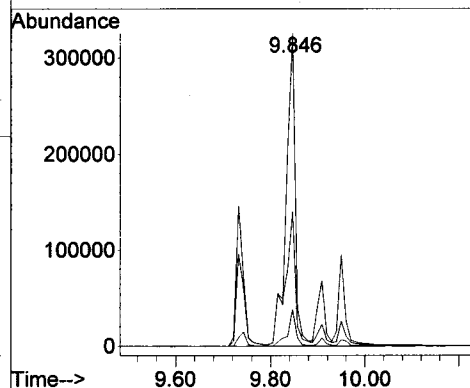
Tgt Ion	Exp Ratio
81	100
108	36.2
140	63.6





#6
di-PPH
Concen: 86.99 ug/mL m
RT: 9.846 min Scan# 604
Delta R.T. -0.010 min
Lab File: 070714_013.D
Acq: 7 Jul 2014 8:42 pm

Tgt Ion:	59	Resp:	760560
Ion Ratio	Lower	Upper	
59	100		
94	29.4	24.0	36.0
210	5.8	7.2	10.8#



Library Search Report

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_013.D
 Acq On : 7 Jul 2014 8:42 pm
 Operator : (b) (7)(C)
 Sample : N405006-08EXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 13 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	5.784	2.06	C:\Database\NIST05a.L Cyclohexanemethanol	7281	000100-49-2	91
			Cyclohexanemethanol	7280	000100-49-2	90
			Cyclohexanemethanol	7279	000100-49-2	78
2	6.178	0.14	C:\Database\NIST05a.L 1-Methylcyclohexa-1,3-diene	2559	1000298-96-0	43
			1-Methylcyclohexa-2,4-diene	2560	1000298-96-1	43
			4-Cyclopropylcyclohexene	9710	080105-51-7	25
3	6.302	34.22	C:\Database\NIST05a.L Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	64
			ans-			
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	59
			Cycloheptanemethanol	12094	004448-75-3	56
4	6.488	22.97	C:\Database\NIST05a.L Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Cycloheptanemethanol	12097	004448-75-3	72
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	53
5	6.737	0.15	C:\Database\NIST05a.L Cyclohexanecarboxylic acid, 4-meth	27897	051181-40-9	90
			yl-, methyl ester			
			2-Octenoic acid, methyl ester	27781	002396-85-2	22
			Cycloheptanemethanol	12097	004448-75-3	22
6	6.799	0.08	C:\Database\NIST05a.L Hexanoic acid, 2-methyl-4-methylen	27894	1000152-05-4	43
			e-, methyl ester			
			Cycloheptanemethanol	12094	004448-75-3	43
			Cyclohexanecarboxylic acid, 4-meth	27897	051181-40-9	43
			yl-, methyl ester			
7	7.774	0.36	C:\Database\NIST05a.L 1-Propanol, 3-phenoxy-	24888	006180-61-6	83
			1-Propanol, 2-phenoxy-	24889	004169-04-4	72
			1-Phenoxypropan-2-ol	24877	000770-35-4	60
8	8.115	20.47	C:\Database\NIST05a.L 1-Hydroxymethyl-2-methyl-1-cyclohe	11127	029474-11-1	70
			xene			
			1,4-Cyclohexanedimethanol	20107	000105-08-8	59
			1,4-Cyclohexanedimethanol	20102	000105-08-8	53
9	8.209	5.96	C:\Database\NIST05a.L 1-Hydroxymethyl-2-methyl-1-cyclohe	11127	029474-11-1	58
			xene			
			1,4-Cyclohexanedimethanol	20102	000105-08-8	40
			Cyclohexanemethanol, 4-methylene-	11106	001004-24-6	35
10	8.499	0.09	C:\Database\NIST05a.L Cyclohexene, 3-(2-propenyl)-	9714	015232-95-8	27
			Cyclohexene, 3-(2-propenyl)-	9716	015232-95-8	27

Library Search Report

Data Path : C:\msdchem\1\DATA\ (b) (7)(C) RP1581\
Data File : 070714_013.D
Acq On : 7 Jul 2014 8:42 pm
Operator : (b) (7)(C)
Sample : N405006-08EXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 13 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			1-Propanone, 1-(3-cyclohexen-1-yl)- -2,2-dimethyl-	33443	016076-65-6	22
11	8.789	0.18	C:\Database\NIST05a.L Cyclohexane, ethenyl- Cyclohexane, ethenyl- Cyclohexene, 4-ethyl-	5785 5781 5784	000695-12-5 000695-12-5 003742-42-5	81 81 70
12	8.893	0.19	C:\Database\NIST05a.L Ethanol, 2-(3-methylphenoxy)- Ethanol, 2-(4-methylphenoxy)- Xanthine, 1,3-dipropyl-8-[4-[.beta .-[(benzyloxycarbonylamino)acetyla mino]	24935 24936 188847	013605-19-1 015149-10-7 102255-67-4	72 64 59
13	9.141	0.37	C:\Database\NIST05a.L 1-Chlorosulfonyl-3-methyl-1-azaspi ro[3.5]nonan-2-one 1,4-Cyclohexanedicarboxylic acid, dimethyl ester Norbornane, 1-methyl-2-hydroxy-	92813 56829 11092	016933-89-4 000094-60-0 1000197-58-0	35 35 35
14	9.732	2.52	C:\Database\NIST05a.L Methyl 2,4-dichlorobutanoate Butanoic acid, 2-hydroxy-, methyl ester 2-Propanol, 1,1'-[(1-methyl-1,2-et hanediyl)bis(oxy)]bis-	36570 8460 51685	062093-65-6 029674-47-3 001638-16-0	37 35 32
15	9.846	6.68	C:\Database\NIST05a.L p-Mentha-1(7),2-dien-8-ol 2,5,8,11,14-Pentaoxapentadecane Methane, diethoxy-	24076 72269 4635	065293-09-6 000143-24-8 000462-95-3	38 35 35
16	9.908	1.42	C:\Database\NIST05a.L Methane, diethoxy- 1-Propanol, 2-(2-hydroxypropoxy)- 2-Butanol, 3,3'-oxybis-	4635 14627 31180	000462-95-3 000106-62-7 054305-61-2	35 35 35
17	9.950	1.80	C:\Database\NIST05a.L Methane, diethoxy- Propane, 1,2-dimethoxy- 1-Propanol, 2-(2-hydroxypropoxy)-	4635 4657 14628	000462-95-3 007778-85-0 000106-62-7	38 35 35
18	10.074	0.16	C:\Database\NIST05a.L Diethyl Phthalate Diethyl Phthalate Phthalic acid, ethyl 2-isopropoxyp henyl ester	72415 72412 141235	000084-66-2 000084-66-2 1000309-82-8	58 58 47
19	10.426	0.16	C:\Database\NIST05a.L 1,2-Butanediol, 1-phenyl- Phenol, 2-methyl- Phenol, 4-(2-aminoethyl)-	33174 5228 16177	022607-13-2 000095-48-7 000051-67-2	53 52 50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
Data File : 070714_014.D
Acq On : 7 Jul 2014 9:13 pm
Operator (b) (7)(C)
Sample : N405006-09EXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 15:02:02 2014 (b) (7)
Quant Method : C:\msdchem\1\METHOD (C) RP1581_B.M
Quant Title : Freedom Industries
QLast Update : Wed Aug 06 13:40:48 2014
Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev (Min)

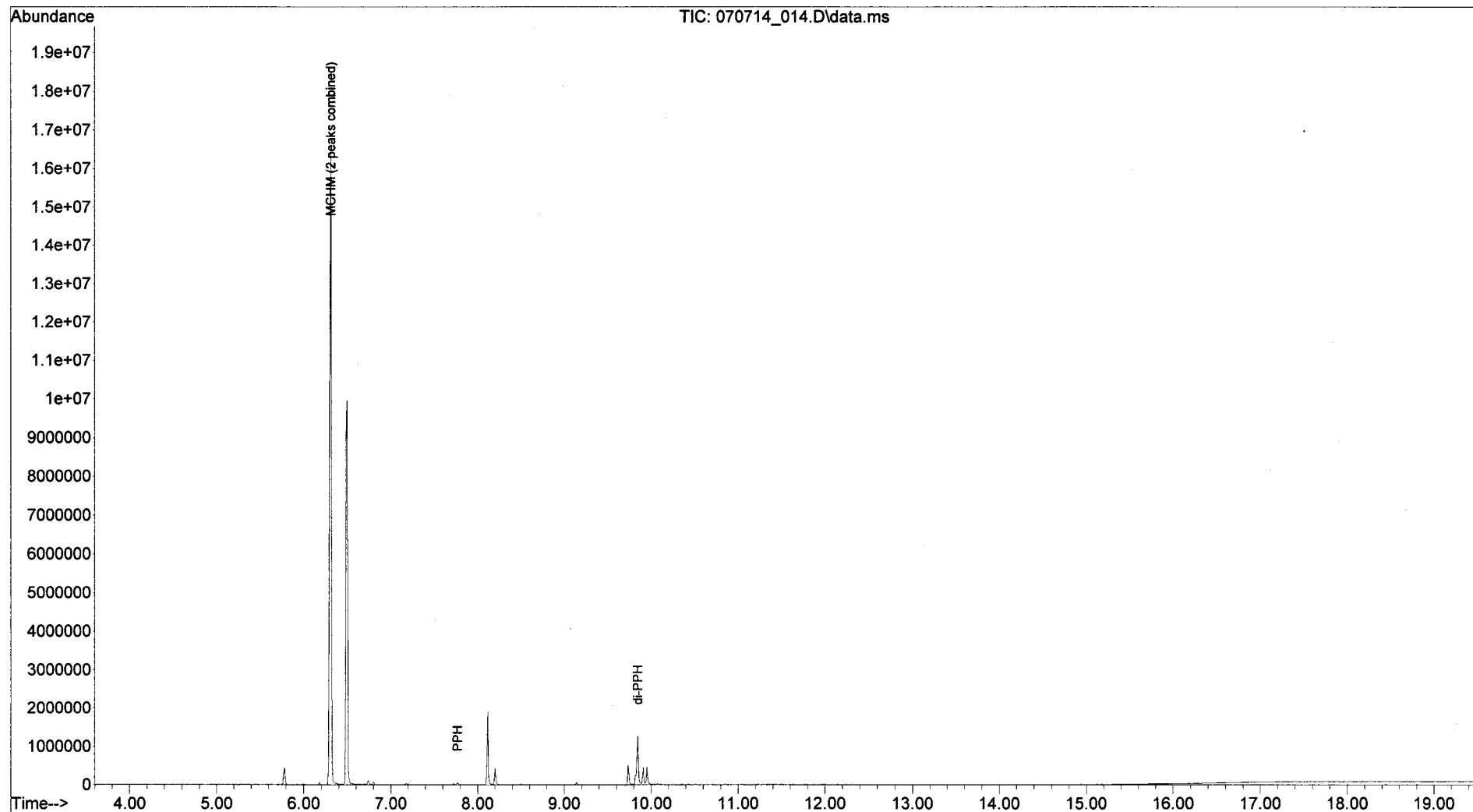
System Monitoring Compounds							
1) Cyclohexanol	0.000	57		0	0.00	ug/mL	
Target Compounds							
2) MCHM (2 peaks combined)	6.312	55		9440642m	736.56	ug/mL	Qvalue
3) PPH	7.774	94		21316m	18.56	ug/mL	
4) 1,4-CHDM	0.000			0	N.D.	d	
5) DMCH-1,4-DC	0.000			0	N.D.		
6) di-PPH	9.846	59		748922m	86.15	ug/mL	

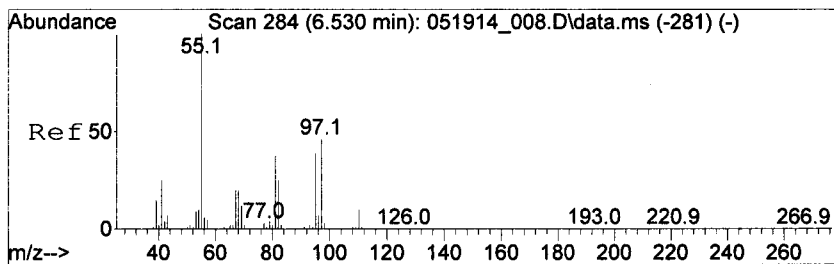
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA (b) (7)(C) RP1581\
 Data File : 070714_014.D
 Acq On : 7 Jul 2014 9:13 pm
 Operator : (b) (7)(C)
 Sample : N405006-09EXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 14 Sample Multiplier: 1

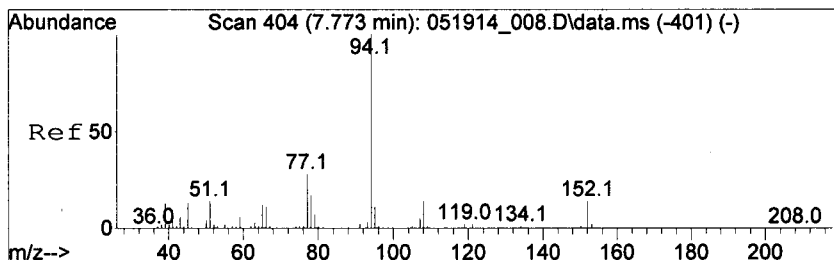
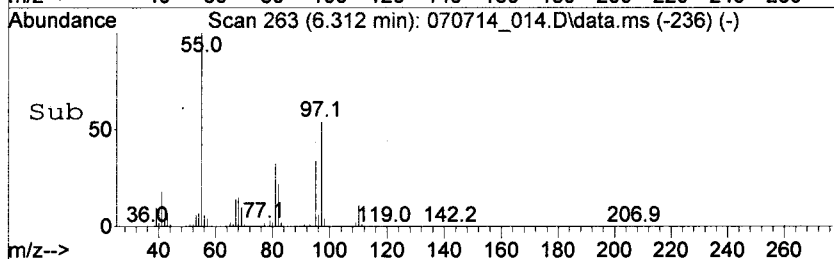
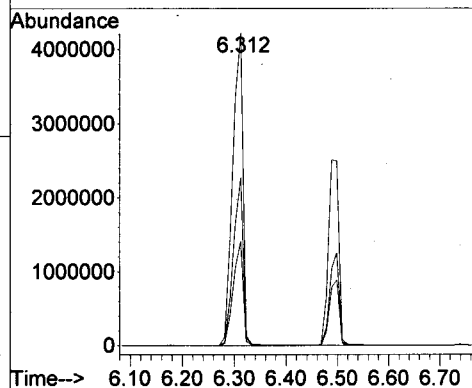
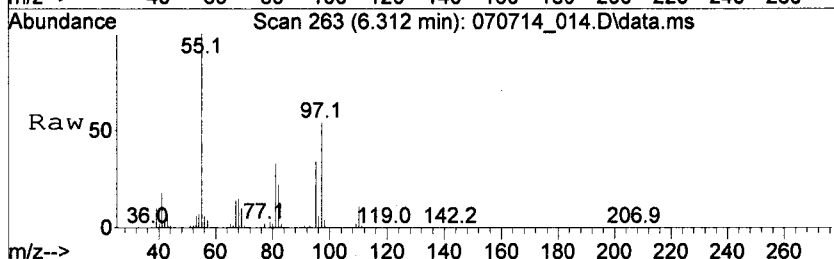
Quant Time: Aug 06 15:02:02 2014
 Quant Method : C:\msdchem\1\METHODS (b) (7)(C) RP1581_B.M
 Quant Title : Freedom Industries
 QLast Update : Wed Aug 06 13:40:48 2014
 Response via : Initial Calibration





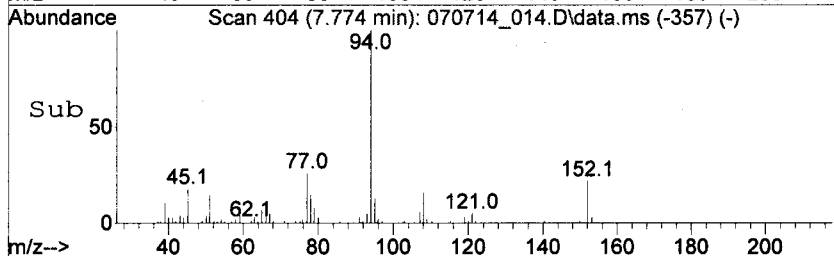
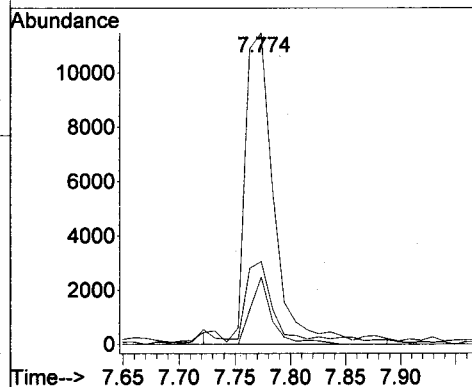
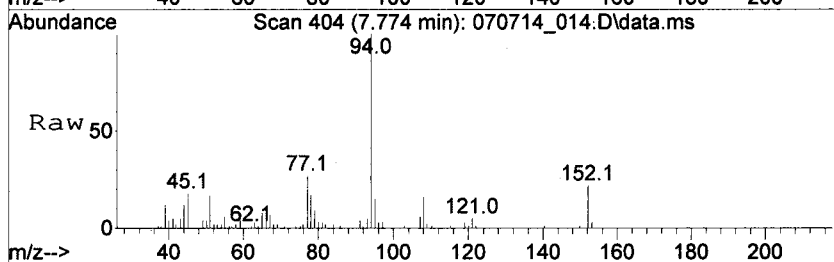
#2
MCHM (2 peaks combined)
Concen: 736.56 ug/mL m
RT: 6.312 min Scan# 263
Delta R.T. -0.218 min
Lab File: 070714_014.D
Acq: 7 Jul 2014 9:13 pm

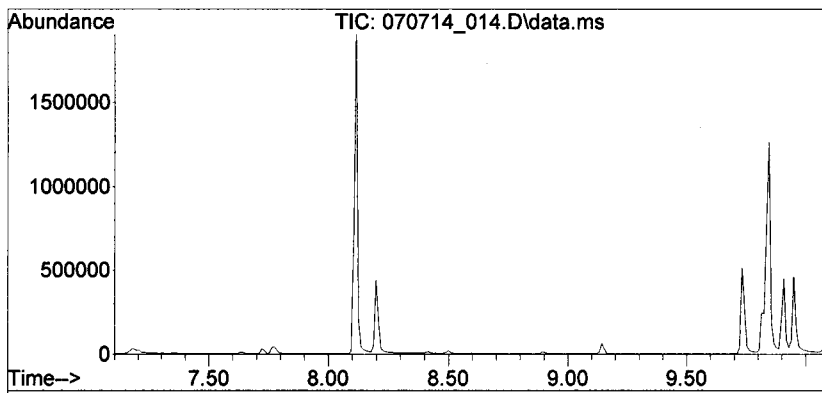
Tgt Ion	Ratio	Lower	Upper
55	100		
97	17.3	31.5	47.3#
81	12.7	24.2	36.4#



#3
PPH
Concen: 18.56 ug/mL m
RT: 7.774 min Scan# 404
Delta R.T. -0.010 min
Lab File: 070714_014.D
Acq: 7 Jul 2014 9:13 pm

Tgt Ion	Ratio	Lower	Upper
94	100		
77	27.5	19.0	28.4
152	15.6	14.9	22.3

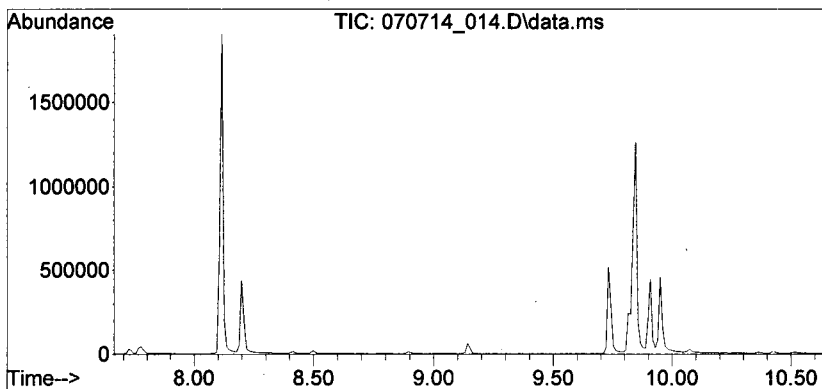
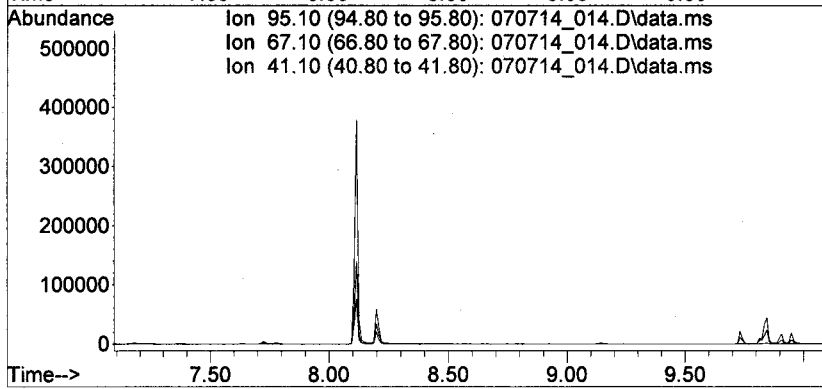




#4
1,4-CHDM
Concen: N.D.
Expected RT: 8.59 min

Lab File: 070714_014.D
Acq: 7 Jul 2014 9:13 pm

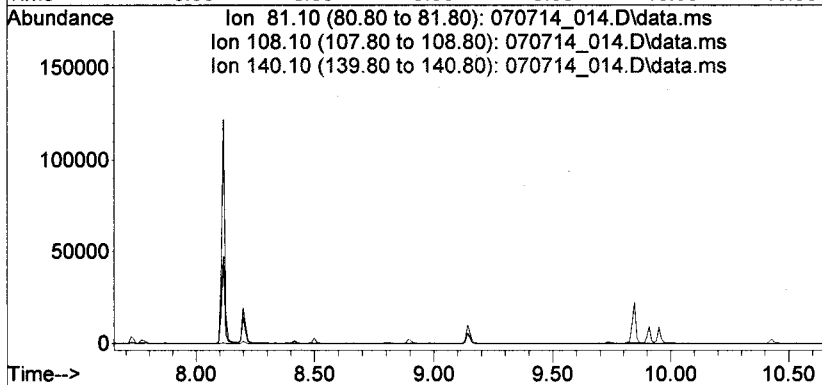
Tgt Ion:	95
Sig	Exp Ratio
95	100
67	41.4
41	53.2

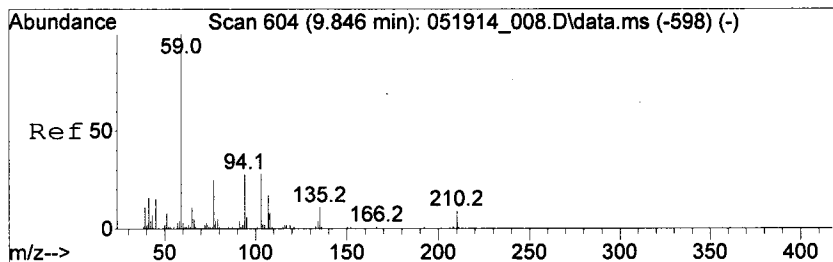


#5
DMCH-1,4-DC
Concen: N.D.
Expected RT: 9.15 min

Lab File: 070714_014.D
Acq: 7 Jul 2014 9:13 pm

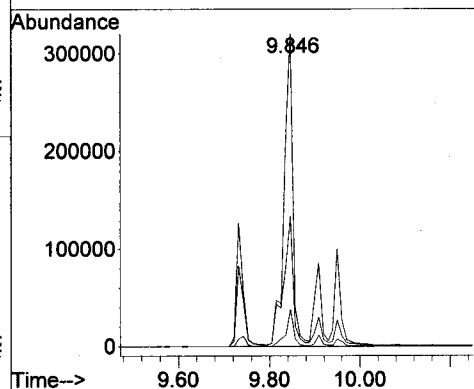
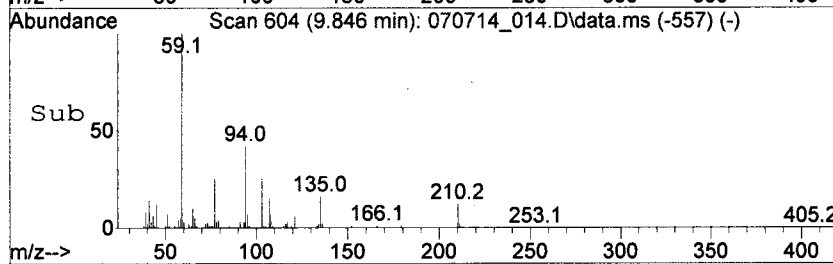
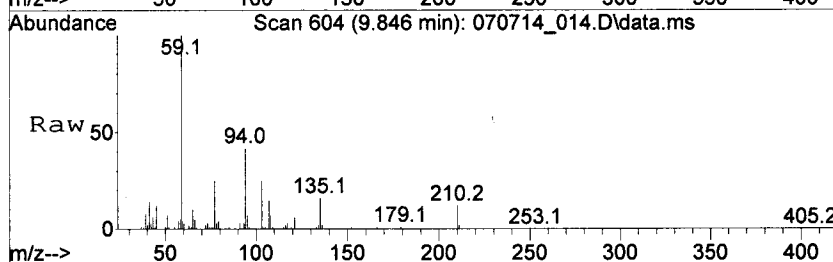
Tgt Ion:	81
Sig	Exp Ratio
81	100
108	36.2
140	63.6





#6
 di-PPH
 Concen: 86.15 ug/mL m
 RT: 9.846 min Scan# 604
 Delta R.T. -0.010 min
 Lab File: 070714_014.D
 Acq: 7 Jul 2014 9:13 pm

Tgt Ion	Ratio	Lower	Upper
59	100		
94	28.0	24.0	36.0
210	5.8	7.2	10.8



Library Search Report

Data Path : C:\msdchem\1\DATA\ (b) (7)(C) RP1581\
 Data File : 070714_014.D
 Acq On : 7 Jul 2014 9:13 pm
 Operator : (b) (7)(C)
 Sample : N405006-09EXT
 Misc : 20 uL in 980 MeCl2
 ALS Vial : 14 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	5.784	1.26	C:\Database\NIST05a.L Cyclohexanemethanol	7281	000100-49-2	91
			Cyclohexanemethanol	7280	000100-49-2	90
			Cyclohexanemethanol	7279	000100-49-2	78
2	5.991	0.06	C:\Database\NIST05a.L 1-Hexanol, 2-ethyl-	13237	000104-76-7	50
			1-Hexanol, 2-ethyl-	13229	000104-76-7	50
			Decane, 2,5,6-trimethyl-	46143	062108-23-0	47
3	6.178	0.13	C:\Database\NIST05a.L 4-Vinyl-imidazole	2512	003718-04-5	46
			1,3-Cycloheptadiene	2543	004054-38-0	43
			3-Aminopyridine	2502	000462-08-8	43
4	6.312	51.88	C:\Database\NIST05a.L Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	59
			Cycloheptanemethanol	12097	004448-75-3	53
5	6.499	32.48	C:\Database\NIST05a.L Cyclohexanemethanol, 4-methyl-, tr	12246	003937-49-3	83
			ans-			
			Cycloheptanemethanol	12097	004448-75-3	64
			Cyclohexanemethanol, 2-methyl-	12230	002105-40-0	50
6	6.737	0.28	C:\Database\NIST05a.L Cyclohexanecarboxylic acid, 4-meth	27897	051181-40-9	90
			yl-, methyl ester			
			Cyclotetradecane	54513	000295-17-0	32
			Hexanoic acid, 2-methyl-4-methylen	27894	1000152-05-4	27
			e-, methyl ester			
7	6.799	0.16	C:\Database\NIST05a.L Hexanoic acid, 2-methyl-4-methylen	27894	1000152-05-4	43
			e-, methyl ester			
			2,5-Dimethyl-1-pyrroline	2923	000822-64-0	38
			Cycloheptanemethanol	12094	004448-75-3	35
8	7.172	0.19	C:\Database\NIST05a.L Cyclohexanecarboxylic acid, 4-meth	19074	004331-54-8	81
			yl-			
			Cycloheptanecarboxylic acid	18967	001460-16-8	52
			3-Methylcyclohexane-1-carboxylic a	19076	1000132-15-7	38
			cid			
9	7.722	0.08	C:\Database\NIST05a.L 1,2-Cyclooctadiene	5271	007124-40-5	43
			Cyclopentane, (3-methylbutylidene)	16383	053366-51-1	27
			5,5-Dimethyl-1,3-hexadiene	5816	001515-79-3	27
10	7.774	0.15	C:\Database\NIST05a.L 1-Phenoxypropan-2-ol	24877	000770-35-4	94
			1-Propanol, 3-phenoxy-	24888	006180-61-6	94

Library Search Report

Data Path : C:\msdchem\1\DATA (b) (7)(C) \RP1581\
Data File : 070714_014.D
Acq On : 7 Jul 2014 9:13 pm
Operator : (b) (7)(C)
Sample : N405006-09EXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 14 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			Pyrimidine, 5-methyl-	2520	002036-41-1	43
11	8.116	4.14	C:\Database\NIST05a.L 1-Hydroxymethyl-2-methyl-1-cyclohe xene 1,4-Cyclohexanedimethanol 1,4-Cyclohexanedimethanol	11127 20102 20107	029474-11-1 000105-08-8 000105-08-8	64 53 53
12	8.198	1.10	C:\Database\NIST05a.L 1-Hydroxymethyl-2-methyl-1-cyclohe xene 1,5-Cyclooctadiene, 1-t-butyl- 1,4-Cyclohexanedimethanol	11127 32194 20102	029474-11-1 1000152-18-6 000105-08-8	53 42 40
13	8.499	0.05	C:\Database\NIST05a.L Bicyclo[3.3.1]nonan-2-one, 9-hydro xy-, syn- 1H-Pyrrole, 2,5-dimethyl- 1H-Pyrrole, 2,5-dimethyl-	26558 2626 2623	057790-40-6 000625-84-3 000625-84-3	37 25 25
14	9.141	0.16	C:\Database\NIST05a.L 1,4-Cyclohexanedicarboxylic acid, dimethyl ester 1,4-Cyclohexanedicarboxylic acid, dimethyl ester 1-Methylbicyclo[2.2.1]heptan-exo-2 -ol	56829 56831 11124	000094-60-0 000094-60-0 1000138-89-9	86 72 46
15	9.732	1.34	C:\Database\NIST05a.L Butanoic acid, 2-hydroxy-, methyl ester 2-Propanol, 1,1'-[(1-methyl-1,2-et hanediyl)bis(oxy)]bis- Carbonic acid, (3,4,4-trimethyl-1, 2-dioxetan-3-yl)methyl phenyl este	8460 51685 93085	029674-47-3 001638-16-0 109123-69-5	35 32 27
16	9.846	4.10	C:\Database\NIST05a.L Methane, diethoxy- 1-Propanol, 2-(2-hydroxypropoxy)- 2-Propanol, 1,1'-[(1-methyl-1,2-et hanediyl)bis(oxy)]bis-	4635 14627 51684	000462-95-3 000106-62-7 001638-16-0	38 35 32
17	9.908	1.09	C:\Database\NIST05a.L 2-Butanol, 3,3'-oxybis- Dipropylene glycol Methane, diethoxy-	31180 14606 4635	054305-61-2 025265-71-8 000462-95-3	35 35 35
18	9.950	1.20	C:\Database\NIST05a.L Dipropylene glycol Methane, diethoxy- 1-Propanol, 2-(2-hydroxypropoxy)-	14606 4635 14627	025265-71-8 000462-95-3 000106-62-7	38 38 35
19	10.074	0.12	C:\Database\NIST05a.L Diethyl Phthalate Diethyl Phthalate	72412 72413	000084-66-2 000084-66-2	95 90

(b) (7)
(C)

RP1581_2.M Mon Jul 28 14:30:55 2014

Page: 2

Library Search Report

Data Path : C:\msdchem\1\DATA\ (b) (7)(C) RP1581\
Data File : 070714_014.D
Acq On : 7 Jul 2014 9:13 pm
Operator : (b) (7)
Sample : N405006-09EXT
Misc : 20 uL in 980 MeCl2
ALS Vial : 14 Sample Multiplier: 1

Search Libraries: C:\Database\NIST05a.L

Minimum Quality: 0

Unknown Spectrum: Apex

Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			Diethyl Phthalate	72414	000084-66-2	89
20	11.421	0.05	C:\Database\NIST05a.L			
			Methanesulfonic acid, 2,3-dihydrox	56070	1000192-31-9	37
			y-pentyl ester			
			Pyridinium, 1-(carboxymethyl)-, hy	16130	024608-93-3	14
			dioxide, inner salt			
			1-Chloro-2-methyl-2-propanol	5141	000558-42-9	12